



2017

PRODUCT

Solution Guide



EMBEDDED BOARD & SOM
INDUSTRIAL & EMBEDDED COMPUTER
TOUCH PANEL COMPUTER
NETWORK APPLIANCE

www.axiomtek.com



Overview

About Axiomtek

Innovations for the embedded world

For over 25 years, Axiomtek has been among the major design and manufacturing companies in the field of industrial computers & embedded systems. Since its establishment, Axiomtek has successfully gained worldwide recognition for our innovative designs and outstanding customer satisfaction. As a valuable & reliable industrial manufacturer, Axiomtek is devoted to producing state-of-the-art solutions that support users in achieving success. Axiomtek takes pride and ownership in what we do through our commitment to excellence.

Vision

To bring smart, innovative and sustainable embedded solutions to our connected world

Mission

Designs and manufactures embedded solutions for mission critical applications allowing our customers to bring superior products to their vertical markets

Value Systems

Passion: We are passionate about our vision, our goals and our commitment to serve our employees and customers.

Integrity: We earn your trust through honest and ethical business practice.

Innovation: Our focus is on developing new products using the most advanced technologies and customer-based experiences.

Partnership: We commit to long-term mutual success with customers, employees and stakeholders.

Leadership: Our goal is always to be the leader in our targeted markets.

Diversity: We strive to diversify our products and services to serve specific industry needs.

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Product Design

Single Board Computers

- Leading technology and comprehensive form factors
- Fast ODM/OEM services, time-to-market
- Custom BIOS services and flexible I/O modules supported
- Wide range temperature design capability for heavy-duty applications
- Quick turnaround time for ID/ME and working sample design

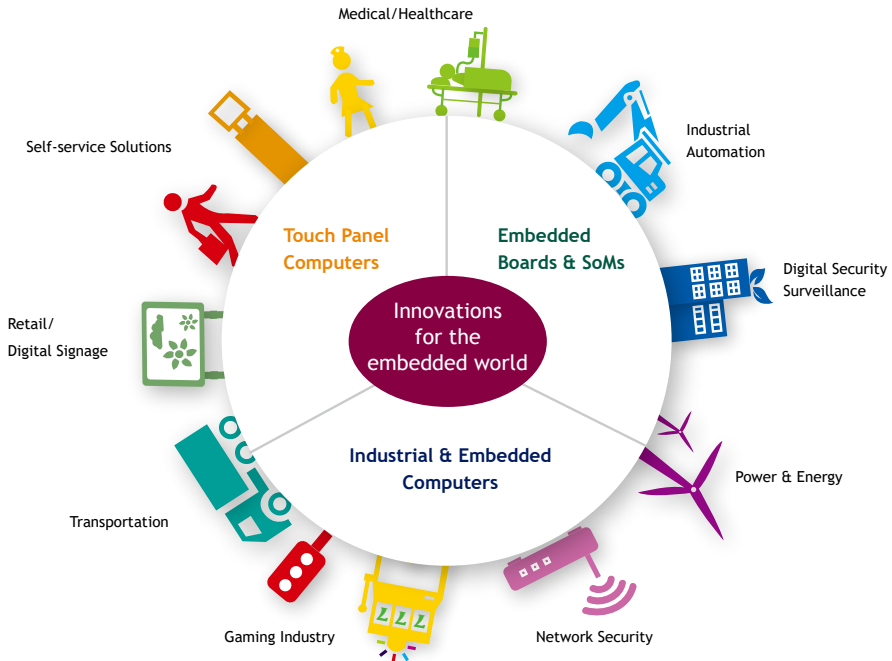
Systems & Platforms

- Heavy-duty design capabilities: extended temperature, fanless operation, anti-dust/water, anti-vibration, EMS and ESD
- Professional certified compliance and industrial standards
- Embedded OS and API capabilities to value-added custom systems
- IEC 61850/IEEE 1613 certificate for power grid and substations
- EN 50155/EN 50121-4 certificate for rolling-stock and railway management

- E-Mark and ISO 7637 for in-vehicle applications
- IEC 60945 certificate for marine
- EN 45545-2, DNV 2.4 and EtherCAT master controller for factory automation
- Smart remote management solution for IoT (AXView)

Touch Panel Computers

- Touch panel computer system design for HMI, medical, kiosk, etc.
- EN 50155/EN 50121-4 certificate for rolling-stock and railway management
- Value-added systems with remote and local diagnostic functions
- Peripherals integration for medical, kiosk, POS, security applications
- Specific environmental design capability with certification by request



Product Lines

Embedded Boards & System on Modules

From System on Modules, embedded single board computers, industrial motherboards to slot CPU cards, Axiomtek provides a comprehensive range of board solutions with full computing architectures: Intel® Core™ i up to Core™ Quad/ Core™2 Extreme/ Core™2 Duo/ Core™ Duo/ Atom™/ Pentium® M/ Pentium® D/ Pentium® 4/ Celeron® M/ Celeron® D and AMD, VIA processors. Axiomtek can satisfy your various embedded application needs.

Industrial & Embedded Computers and Digital Signage

Axiomtek provides an extensive line of industrial & embedded computers, including embedded eBOX & tBOX systems, MicroBoxes, embedded field controllers, industrial barebone systems, industrial chassis, industrial workstations, backplanes, among many other peripherals/accessories. The configured and fanless embedded eBOX series delivers high reliability, extended temperature and noiseless operation for harsh environments in industrial automation, transportation, gaming, digital signage, POS, kiosk and vehicle applications. The tBOX series is especially designed for transportation applications such as vehicle, railway or any station use. Its stability and reliability has earned an ISO 7637 and E-Mark certificates for vehicle applications, and EN 50121 & EN 50155 certificates for railway applications. The rBOX and ICO series constitute fanless embedded field controller solutions, specifically designed for intelligent computing and communication applications in power plant automation, intelligent transportation systems and more.

Our digital signage platforms (DSB/OPS series) are compliant with various types of displays as well as suitable for different applications. DSB series comes in as a standalone digital signage media player solution; whereas OPS series is engineered to be an Intel® Open Pluggable Specification (OPS) digital signage player solution to enable faster and easy upgrading/maintenance.

To satisfy the demand for industrial applications, the industrial barebone system is designed for ATX industrial motherboard system markets, offering high level of reliability and performance. In addition, a comprehensive range of industrial-grade rackmount chassis and compact ShoeBox chassis can hold various ISA/PCI/PCIe bus backplanes, power supplies, integrated FDD, HDD, DVD-ROM drive bays and cooling systems. A wide range of PICMG 1.3/1.0 backplanes provide not only the highest compatibility with their power supply units unit but also the best extension slot selection.

Network Appliances

Axiomtek's goal is to develop high quality and cost-effective server appliance hardware platforms that meet the performance requirements of tailor-made packages for customers. Our stable and reliable network appliance platforms boast of a lower total cost of ownership (TCO) and can be widely applied in VPN gateways, load balancing, network bandwidth management, SSL, firewalls, IDS/IPS, and many more. Axiomtek takes care of all your hardware needs while optimizing your network business.

Touch Panel Computers

Axiomtek has incorporated valuable features and latest technology into its touch panel computers to cater to today's competitive market. The GOT5000 series is equipped with an ultra slim ID, super light and fanless features for small-size infotainment applications. To resist severe conditions, the GOT800 adopts a sunlight readable LCD and IP66-rated water/dust-proof design ideal for outdoor use in dusty or wet spaces. The GOT700 is an EN 50155 certified touch panel computer solution with alternative keypad and high brightness LCD for rolling stock. The GOT3000, P1000 and P6000 series come with robust functions for industrial automation fields. Ideal for medical/healthcare applications, the MPC series are slim medical grade computers/monitors featuring low-noise operation, power saving, reliability and IPX1 water-proof design. The FDK series constitutes open frame panel computers with outstanding configuration flexibility for indoor kiosk, HMI automation and more!

Global Website

www.axiomtek.com

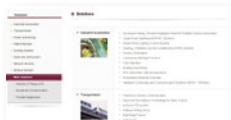
Axiomtek's global website is designed with multi-languages support to provide visitors with rich, valuable, interactive information. Through our global website you can access a wide variety of resources such as Products, Solutions, eCatalogs & Videos, Partner Zone, Supports and more! Major sections of the Axiomtek global website are as follow:

Multi-language



Visitors can select from a wide selection of languages including, English, German, French, Italian, Japanese, Traditional Chinese and Simplified Chinese.

Solutions



Here, you can refer to any vertical market in which your product offering is applicable. Configuration diagrams show how Axiomtek's products can be implemented into specific applications, and help customers build a successful solutions.

Various Products



Axiomtek offers Embedded Boards & SoMs, Industrial & Embedded Computers, Network Appliances, signage and Touch Panel Computers. Customers can view product photos, features and ordering information and download complete product datasheets.

eCatalogs & Videos



Here, you can find our environmentally-friendly paperless online catalogs and videos for additional product information.

Supports



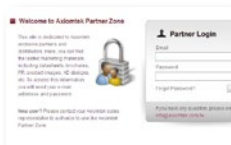
Axiomtek is devoted to providing the best customer services possible. Customers can obtain real-time update information such as manuals, drivers, VGA/LCD BIOS support lists and a FAQ database thru our eService. Axiomtek's creative eRMA online service offers a non-stop RMA service. Customers can access eRMA service, obtaining the most update information on repair and print test reports directly.

Social Links



Axiomtek social media links can keep you up-to-date on product information, solutions, news and events. Axiomtek is devoted to providing various platforms to let people get information faster and easier. Search "Axiomtek" at any of social links to visit us and be sure to bookmark them and check back often!

Partner Zone



This page is exclusively provided for Axiomtek sales representatives, channel partners and distributors. Here you can find the latest marketing information and collateral such as datasheets, brochures, press releases, product images, as well as product and company presentations.

eNewsletters



To provide customers with real time news from Axiomtek, customers can sign up our eNewsletters by visiting our eNews page directly for the latest product news, service updates, event invitations, and more!

Mobile Website



Axiomtek mobile site is designed to provide a better reading experience, with a focus on simplicity. You will be presented with a clear view of products, news, and solutions with minimal distraction. You can access Axiomtek mobile site by entering www.axiomtek.com into your mobile device browser.

Axiomtek APP



iOS

Android

System on Modules



Features\Models		CEM510	CEM511	CEM500
Form Factor		COM Express™ Type 6	COM Express™ Type 6	COM Express™ Type 6
CPU Level		Intel® Xeon® and 7th Gen Intel® Core™ i7/i5/i3	7th Gen Intel® Core™ i7/i5/i3	Intel® Xeon® and 6th Gen Intel® Core™ i7/i5/i3
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		Intel® CM238/QM175/HM175	SoC Integrated	Intel® CM236/QM170/HM170
Memory Type		DDR4-2133	DDR4-2133	DDR4-2133
Max. DRAM Capacity		32GB	32GB	32GB
Cache RAM Capacity		SoC integrated	SoC Integrated	SoC integrated
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		0 ~ 65535 sec.	0 ~ 65535 sec.	0 ~ 65535 sec.
Onboard Storage		N/A	N/A	N/A
Onboard GPIO		4-IN & 4-OUT	4-IN & 4-OUT (SDIO optional)	4-IN & 4-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	4 x SATA-600	3 x SATA-600	4 x SATA-600
	TPM	TPM 1.2	TPM 1.2	TPM 1.2
	Serial	COM 1	TX/RX	TX/RX
		COM 2	TX/RX	TX/RX
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB	4 x USB 3.0 8 x USB 2.0	4 x USB 3.0 8 x USB 2.0	4 x USB 3.0 8 x USB 2.0
Display		3 x DDI 1 x LVDS (eDP optional) 1 x VGA (optional)	2 x DDI 1 x LVDS (eDP optional) 1 x VGA (optional)	3 x DDI 1 x VGA (optional) 1 x LVDS (eDP optional)
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		Codec on baseboard	Codec on baseboard	Codec on baseboard
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		max. PCIe with 24 lanes	PCIe with 6 lanes	max. PCIe with 24 lanes
Power Management		ACPI	ACPI	ACPI
Battery		N/A	N/A	N/A
Operating Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)

System on Modules

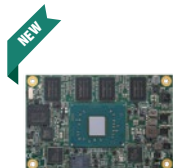


Features/Models		CEM501	CEM880	CEM881
Form Factor		COM Express™ Type 6	COM Express™ Type 6	COM Express™ Type 6
CPU Level		6th Gen Intel® Core™ i7/i5/i3	5th Gen Intel® Core™ i7 & 4th Gen Intel® Core™ i7/i5/i3 & Celeron®	5th/4th Gen Intel® Core™ i7/i5/i3 & Celeron®
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		SoC integrated	Intel® QM87	SoC integrated
Memory Type		DDR4-2133	DDR3L-1066/1333	DDR3L 1600/1333
Max. DRAM Capacity		32GB	12GB	12GB
Cache RAM Capacity		SoC integrated	SoC integrated	SoC integrated
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		0 ~ 65535 sec.	255 levels, 1 ~ 255 sec./min.	255 levels, 1 ~ 255 sec./min.
Onboard Storage		N/A	N/A	N/A
Onboard GPIO		4-IN & 4-OUT (SDIO optional)	4-IN & 4-OUT	4-IN & 4-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	3 x SATA-600	4 x SATA-600	4 x SATA-600
	TPM	TPM 1.2	TPM 1.2	TPM 1.2
	Serial	COM 1	TX/RX	TX/RX
		COM 2	TX/RX	TX/RX
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB	4 x USB 3.0 8 x USB 2.0	4 x USB 3.0 8 x USB 2.0	2 x USB 3.0 8 x USB 2.0
	Display	1 x VGA (optional) 1 x LVDS (eDP optional) 2 x DDI	1 x VGA 1 x LVDS 3 x DDI	1 x LVDS 2 x DDI
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		Codec on baseboard	Codec on baseboard	Codec on baseboard
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		max. PCIe with 6 lanes	PCIe 3.0 x 16 PCIe 2.0 x 7	max. PCIe with 4 lanes
Power Management		ACPI	ACPI	ACPI
Battery		N/A	N/A	N/A
Operating Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)



Features\Models		CEM860	CEM313	CEM312
Form Factor		COM Express™ Type 6	COM Express™ Type 6	COM Express™ Type 6
CPU Level		Intel® Core™ i7/i5/i3	Intel® Pentium® N4200/Celeron® N3350	Intel® Atom™ x5/x7
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		Intel® QM67	SoC integrated	SoC integrated
Memory Type		DDR3-1066/1333/1600	DDR3L-1600	DDR3L-1600
Max. DRAM Capacity		16GB	8GB	8GB
Cache RAM Capacity		L2 in CPU	SoC integrated	SoC integrated
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.	0 ~ 65535 sec.	0 ~ 65535 sec.
Onboard Storage		N/A	eMMC 5.0 upto 64GB (optional)	eMMC 5.0 upto 64GB (optional)
Onboard GPIO		4-IN & 4-OUT	4-IN/4-OUT	4-IN/4-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA-600/2 x SATA-300	2 x SATA-600	2 x SATA-600
	TPM	TPM 1.2	TPM 1.2	TPM 1.2
	Serial	COM 1	N/A	TX/RX
		COM 2	N/A	TX/RX
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB	2 x USB 3.0 (optional) 8 x USB 2.0	4 x USB 3.0 8 x USB 2.0	4 x USB 3.0 8 x USB 2.0
Display		1 x VGA 1 x LVDS 3 x DDI	2 x DDI 1 x LVDS (eDP optional) 1 x VGA (optional)	2 x DDI 1 x LVDS (eDP optional) 1 x VGA (optional)
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		Codec on baseboard	Codec on baseboard	Codec on baseboard
Hardware Monitoring		N/A	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		max. PCIe with 22 lanes	max. PCIe with 4 lanes	max. PCIe with 4 lanes
Power Management		ACPI	ACPI	ACPI
Battery		N/A	Yes	Yes
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		By request	-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F)

System on Modules



Features/Models		CEM842	CEM843	CEM311
Form Factor		COM Express™ Type 6	COM Express™ Type 6	COM Express™ Type 10
CPU Level		Intel® Celeron® J1900/N2807	Intel® Atom™ E3845	Intel® Pentium® N4200/ Celeron® N3350
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		SoC integrated	SoC integrated	SoC integrated
Memory Type		DDR3L-1066/1333	DDR3L-1066/1333	DDR3L-1600
Max. DRAM Capacity		8GB	8GB	4GB/8GB (optional)
Cache RAM Capacity		SoC integrated	SoC integrated	SoC integrated
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec./min.	255 levels, 1 ~ 255 sec./min.	0 ~ 65535 sec.
Onboard Storage		N/A	N/A	eMMC 5.0 upto 64GB (optional)
Onboard GPIO		4-IN & 4-OUT	4-IN & 4-OUT	4-IN/4-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA-300	2 x SATA-300	2 x SATA-600
	TPM	TPM 1.2	TPM 1.2	N/A
	Serial	COM 1	N/A	TX/RX
		COM 2	N/A	TX/RX
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB	1 x USB 3.0 8 x USB 2.0	1 x USB 3.0 8 x USB 2.0	2 x USB 3.0 8 x USB 2.0
Display		1 x VGA 1 x LVDS 1 x DDI	1 x VGA 1 x LVDS 1 x DDI	1 x DDI 1 x LVDS (eDP optional)
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		Codec on baseboard	Codec on baseboard	Codec on baseboard
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		max. PCIe with 6 lanes	max. PCIe with 6 lanes	max. PCIe with 4 lanes
Power Management		ACPI	ACPI	ACPI
Battery		N/A	N/A	Yes
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	-40°C° ~ +85°C (-40°F ~ +185°F)	-20°C ~ +70°C (-4°F ~ +158°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	-40°C° ~ +85°C (-40°F ~ +185°F)	-20°C ~ +70°C (-4°F ~ +158°F)



Features\Models		CEM310	CEM300	CEM846
Form Factor		COM Express™ Type 10	COM Express™ Type 10	COM Express™ Type 10
CPU Level		Intel® Atom™ x5/x7 family	Intel® Pentium® & Celeron® N3000 family	Intel® Atom™ E3800 family
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		SoC integrated	SoC integrated	SoC integrated
Memory Type		DDR3L-1600	DDR3L-1600	DDR3L-1066/1333
Max. DRAM Capacity		4GB/8GB (optional)	4GB/8GB (optional)	4GB
Cache RAM Capacity		SoC integrated	SoC integrated	SoC integrated
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		0 ~ 65535 sec.	0 ~ 65535 sec.	255 levels, 1 ~ 255 sec./min.
Onboard Storage		eMMC 5.0 upto 64GB (optional)	N/A	N/A
Onboard GPIO		4-IN/4-OUT	4-IN & 4-OUT	4-IN & 4-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA-600	2 x SATA-600	2 x SATA-300
	TPM	N/A	N/A	N/A
	Serial	COM 1	TX/RX	TX/RX
		COM 2	TX/RX	TX/RX
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB	2 x USB 3.0 8 x USB 2.0	2 x USB 3.0 8 x USB 2.0	1 x USB 3.0 8 x USB 2.0
Display		1 x DDI 1 x LVDS (eDP optional)	1 x LVDS (eDP optional) 1 x DDI	1 x DDI 1 x LVDS
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		Codec on baseboard	Codec on baseboard	Codec on baseboard
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		max. PCIe with 4 lanes	max. PCIe with 4 lanes	max. PCIe with 4 lanes
Power Management		ACPI	ACPI	ACPI
Battery		Yes	N/A	N/A
Operating Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	0°C ~ +60°C (+32°F ~ +140°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	N/A	-40°C ~ +85°C (-40°F ~ +185°F)

System on Modules



Features/Models		CEM841	CEM100	Q7M311
Form Factor		COM Express™ Type 2	COM Express™ Type 2	Qseven
CPU Level		Intel® Celeron® J1900/N2807	AMD G-Series APU	Intel® Pentium® N4200/ Celeron® N3350
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		SoC integrated	AMD A55E FCH	SoC integrated
Memory Type		DDR3L-1066/1333	DDR3-1066	DDR3L-1333/1866
Max. DRAM Capacity		8GB	8GB	4GB
Cache RAM Capacity		SoC integrated	SoC integrated	SoC integrated
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec./min.	255 levels, 1 ~ 255 sec./min.	0 ~ 65535 sec.
Onboard Storage		N/A	N/A	eMMC 5.0 upto 64GB (optional)
Onboard GPIO		4-IN & 4-OUT	4-IN & 4-OUT	8-GPIO
I/O	IDE	1 PATA-100	1 x PATA-100	N/A
	SATA	1 x SATA-300	4 x SATA-600	2 x SATA-600
	TPM	N/A	N/A	N/A
	Serial	COM 1	N/A	TX/RX
		COM 2	N/A	N/A
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB	8 x USB 2.0	8 x USB 2.0	2 x USB 3.0 4 x USB 2.0
Display		1 x VGA 1 x LVDS	1 x VGA 1 x LVDS	1 x DDI 1 x LVDS (eDP optional)
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		Codec on baseboard	Codec on baseboard	Codec on baseboard
Hardware Monitoring		Yes	N/A	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		6 lanes	max. PCIe with 8 lanes 4 x PCI	max. PCIe with 4 lanes
Power Management		ACPI	ACPI	ACPI
Battery		N/A	N/A	Yes
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	-20°C ~ +70°C (-4°F ~ +128°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	By request	-20°C ~ +70°C (-4°F ~ +128°F)



Features\Models		Q7M310	ETM620
Form Factor		Qseven	ETX
CPU Level		Intel® Atom™ x5/x7 family	AMD LX
CPU Socket		Onboard	Onboard
CPU FSB Frequency		N/A	N/A
Core Logic Chipset		SoC integrated	AMD LX + CS5536AD
Memory Type		DDR3L-1333/1866	DDR-333/400
Max. DRAM Capacity		4GB	1GB
Cache RAM Capacity		SoC integrated	L2 in CPU
BIOS		AMI UEFI BIOS	Phoenix-Award
Watchdog Timer		0 ~ 65535 sec.	255 levels, 1 ~ 255 sec.
Onboard Storage		eMMC 5.0 upto 64GB (optional)	N/A
Onboard GPIO		8-GPIO	N/A
I/O	IDE	N/A	2 x PATA-100
	SATA	2 x SATA-600	2 x SATA-150
	TPM	N/A	1 x FDD (optional)
	Serial	COM 1	TX/RX
		COM 2	TX/RX
		COM 3	N/A
		COM 4	N/A
	USB	2 x USB 3.0 4 x USB 2.0	4 x USB 2.0
Display		1 x DDI 1 x LVDS (eDP optional)	1 x VGA 1 x TTL
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100 Mbps Ethernet
Audio		Codec on baseboard	AC'97 Codec
Hardware Monitoring		Yes	Yes
SMBus		Yes	N/A
Expansion Interface		max. PCIe with 4 lanes	3 x PCI ISA
Power Management		ACPI	ACPI
Battery		Yes	N/A
Operating Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE
Wide Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)



EPIC Board



Features/Models		EP100
Form Factor		EPIC
CPU Level		AMD G-Series APU T56N/ T40R
CPU Socket		Onboard
Core Logic Chipset		AMD A50M
Memory Type		DDR3-1066/1333
Max. DRAM Capacity		4GB
Cache RAM Capacity		Integrated in APU
BIOS		AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.
Onboard SSD		1 x CFast™
Onboard Digital I/O		8-IN/OUT
I/O	SATA	2 x SATA-600
	Serial	COM 1 RS-232/422/485
		COM 2 RS-232
		COM 3 RS-232
		COM 4 RS-232
	USB	6 x USB 2.0
SIM Card Slot		Yes
Display		1 x VGA, 2 x DisplayPort or 1 x VGA, 1 x DisplayPort, 1 x LVDS
Ethernet		2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec
Hardware Monitoring		Yes
SMBus		Yes
Expansion Interface		2 x full-size PCIe Mini Card
Power Management		ACPI
Battery		Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing
EMI Compliance		CE
Wide Temperature		N/A

3.5" Capa Boards



Features/Models		CAPA500	CAPA880	CAPA881
Form Factor		3.5" Capa	3.5" Capa	3.5" Capa
CPU Level		6th/7th Gen Intel® Core™ i7/i5/i3 & Celeron®	4th Gen Intel® Core™ i7/i5/i3 & Celeron®	4th Gen Intel® Core™ i7/i5/i3 & Celeron®
CPU Socket		LGA1151	LGA1150	Onboard
Core Logic Chipset		Intel® H110/Q170	Intel® H81	Intel® HM86/QM87
Memory Type		DDR4-1867	DDR3-1600	DDR3L-1600
Max. DRAM Capacity		16GB	8GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		N/A	N/A	1 x CFast™
Onboard Digital I/O		8-IN/OUT	8-IN/OUT	8-IN/OUT
I/O	SATA	1 x SATA-600	1 x SATA-600	1 x SATA-600
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	N/A	RS-232/422/485
		COM 3	N/A	RS-232
		COM 4	N/A	RS-232
	USB	3 x USB 2.0, 3 x USB 3.0	4 x USB 2.0, 2 x USB 3.0	4 x USB 2.0, 2 x USB 3.0
SIM Card Slot		N/A	N/A	N/A
Display		1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 2 x HDMI 1 x LVDS 1 x DisplayPort (Optional)
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x full-size PCIe Mini Card with mSATA supported	1 x full-size PCIe Mini Card with mSATA supported	1 x full-size PCIe Mini Card with mSATA supported
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +50°C (-4°F ~ +122°F)	-20°C ~ +70°C (-4°F ~ +158°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A

3.5" Capa Boards



Features/Models		CAPA312	CAPA318	CAPA848
Form Factor		3.5" Capa	3.5" Capa	3.5" Capa
CPU Level		Intel® Pentium® N4200/ Celeron® N3350	Intel® Pentium® N4200/ Celeron® N3350	Intel® Celeron® N2807
CPU Socket		Onboard	Onboard	Onboard
Core Logic Chipset		SoC integrated	SoC integrated	SoC integrated
Memory Type		DDR3L-1867	DDR3L-1867	DDR3L-1333
Max. DRAM Capacity		8GB	8GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		65535 levels, 1 ~ 65535 sec	65535 levels, 1 ~ 65535 sec	255 levels, 1 ~ 255 sec.
Onboard SSD		N/A	N/A	1 x CFast™
Onboard Digital I/O		8-IN/OUT	8-IN/OUT	8-IN/OUT
I/O	SATA	1 x SATA-300	1 x SATA-300	1 x SATA-300
	Serial	COM 1	RS-232	RS-232/422/485
		COM 2	RS-232	RS-232/422/485
		COM 3	N/A	RS-232
		COM 4	N/A	RS-232
	USB	2 x USB 2.0, 4 x USB 3.0	2 x USB 2.0, 2 x USB 3.0	4 x USB 2.0
SIM Card Slot		Yes	Yes	Yes
Display		1 x LVDS 1 x HDMI 1 x VGA (optional) 1 x eDP (optional)	1 x VGA 1 x LVDS	1 x VGA 1 x HDMI 1 x LVDS
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x full-size PCIe Mini Card w/ mSATA supported 1 x full-size PCIe Mini Card	1 x full-size PCIe Mini Card w/ mSATA supported 1 x full-size PCIe Mini Card	1 x full-size PCIe Mini Card w/ mSATA supported 1 x half-size PCIe Mini Card
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		Standard: -20°C ~ +60°C (-4°F ~ +140°F) Optional: -20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A



Features/Models		CAPA843	CAPA842	CAPA841
Form Factor		3.5" Capa	3.5" Capa	3.5" Capa
CPU Level		Intel® Celeron® J1900	Intel® Celeron® J1900/N2807	Intel® Atom™ E3845/E3827
CPU Socket		Onboard	Onboard	Onboard
Core Logic Chipset		SoC integrated	SoC integrated	SoC integrated
Memory Type		DDR3L-1066/1333	DDR3L-1333	DDR3L-1066/1333
Max. DRAM Capacity		8GB	8GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		1 x mSATA	1 x CFast™	1 x CFast™
Onboard Digital I/O		8-IN/OUT	8-IN/OUT	8-IN/OUT
I/O	SATA	1 x SATA-300	1 x SATA-300	1 x SATA-300
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232/422/485
		COM 3	N/A	RS-232
		COM 4	N/A	RS-232
	USB	4 x USB 2.0, 1 x USB 3.0	4 x USB 2.0	4 x USB 2.0
SIM Card Slot		N/A	Yes	Yes
Display		1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x HDMI 1 x LVDS
Ethernet		1 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x full-size PCIe Mini Card 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus (through ZIO connector)	1 x full-size PCIe Mini Card w/ mSATA supported 1 x Half-size PCIe Mini Card	1 x full-size PCIe Mini Card w/ mSATA supported 1 x half-size PCIe Mini Card
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +80°C (-40°F ~ +176°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A

3.5" Capa Boards



Features/Models		CAPA840	CAPA112	CAPA111	CAPA110
Form Factor		3.5" Capa	3.5" Capa	3.5" Capa	3.5" Capa
CPU Level		Intel® Celeron® N2807	AMD G-Series APU T40E/ T16R	AMD G-Series APU T40E/ T40R	AMD G-Series APU T56N
CPU Socket		Onboard	Onboard	Onboard	Onboard
Core Logic Chipset		SoC integrated	AMD A55E	AMD A50M	AMD A50M
Memory Type		DDR3L-1066/1333	DDR3-1066	DDR3-1066	DDR3-1333
Max. DRAM Capacity		8GB	4GB	4GB	4GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in APU	Integrated in APU
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		1 x mSATA	1 x CFast™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O		8-IN/OUT	8 IN/OUT	8-IN/OUT	8-IN/OUT
I/O	SATA	1 x SATA-300	1 x SATA-600	2 x SATA-600	2 x SATA-600
	Serial	COM 1	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232	RS-232
		COM 3	N/A	RS-232	RS-232
		COM 4	N/A	RS-232	RS-232
	USB	4 x USB 2.0, 1 x USB 3.0	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0
SIM Card Slot		N/A	Yes	N/A	N/A
Display		1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x LVDS	1 x VGA 1 x LVDS	1 x VGA 1 x LVDS 1 x DisplayPort
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes	Yes
SMBus		Yes	Yes	Yes	Yes
Expansion Interface		1 x full-size PCIe Mini Card 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus (through ZIO connector)	1 x full-size PCIe Mini Card 1 x PC/104	1 x full-size PCIe Mini Card	1 x full-size PCIe Mini Card
Power Management		ACPI	ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium	Lithium
Operating Temperature		-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE	CE
Wide Temperature		N/A	N/A	N/A	N/A



Features/Models		SBC84622	SBC84621	SBC84620
Form Factor		3.5" Capa	3.5" Capa	3.5" Capa
CPU Level		AMD LX800	AMD LX800	AMD LX800
CPU Socket		Onboard	Onboard	Onboard
Core Logic Chipset		AMD CS5536AD	AMD CS5536AD	AMD CS5536AD
Memory Type		DDR-333/400	DDR-333/400	DDR-333/400
Max. DRAM Capacity		1GB	1GB	1GB
Cache RAM Capacity		Integrated in APU	Integrated in APU	Integrated in APU
BIOS		Phoenix-Award	Phoenix-Award	Phoenix-Award
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O		8-IN & 8-OUT	8-IN & 8-OUT	8-IN & 8-OUT
I/O	SATA	N/A	N/A	N/A
	Serial	COM 1	RS-232	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
	USB	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
SIM Card Slot		N/A	N/A	N/A
Display		1 x VGA 1 x LVDS/TTL	1 x VGA 1 x LVDS	1 x VGA 1 x TTL
Ethernet		2 x 10/100 Mbps Ethernet	2 x 10/100 Mbps Ethernet	2 x 10/100 Mbps Ethernet
Audio		AC'97 Codec	AC'97 Codec	AC'97 Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		N/A	1 x Mini PCI 1 x PC/104	1 x Mini PCI 1 x PC/104
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		-25°C ~ +70°C (-13°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F) -25°C ~ +70°C (-13°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F) -25°C ~ +70°C (-13°F ~ +158°F)

Nano-ITX SBCs



Features/Models			NANO842	NANO840	NANO100	NANO101
Form Factor			Nano-ITX	Nano-ITX	Nano-ITX	Nano-ITX
CPU Level			Intel® Celeron® J1900/ N2807	Intel® Atom™ E3845/E3827	AMD G-Series APU T56N	AMD G-Series APU T40E/T40R
CPU Socket			Onboard	Onboard	Onboard	Onboard
Core Logic Chipset			SoC integrated	SoC integrated	AMD A50M	AMD A50M
Memory Type			DDR3L-1333	DDR3L-1066/1333	DDR3-1333	DDR3-1066
Max. DRAM Capacity			8GB	8GB	4GB	4GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU	Integrated in CPU	Integrated in APU
BIOS			AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer			255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD			N/A	N/A	1 x CFast™	1 x CFast™
Onboard Digital I/O			8-IN/OUT	8-IN/OUT	8-IN/OUT	8-IN/OUT
I/O	SATA		1 x SATA-300	1 x SATA-300	1 x SATA-600	1 x SATA-600
	Serial	COM 1	RS-232/422/485	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232	RS-232	RS-232
	USB		5 x USB 2.0, 1 x USB 3.0	5 x USB 2.0, 1 x USB 3.0	6 x USB 2.0	6 x USB 2.0
SIM Card Slot			N/A	N/A	N/A	N/A
Display			1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x DisplayPort 1 x LVDS	1 x VGA 1 x LVDS
Ethernet			2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio			HD Codec	HD Codec	HD Codec	HD Codec
Hardware Monitoring			Yes	Yes	Yes	Yes
SMBus			Yes	Yes	Yes	Yes
Expansion Interface			1 x full-size PCIe Mini Card w/ mSATA supported 1 x half-size PCIe Mini Card	1 x full-size PCIe Mini Card w/ mSATA supported 1 x half-size PCIe Mini Card	1 x full-size PCIe Mini Card	1 x full-size PCIe Mini Card
Power Management			ACPI	ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium	Lithium
Operating Temperature			-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +80°C (-40°F ~ +176°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE	CE
Wide Temperature			N/A	N/A	N/A	N/A

Pico-ITX SBCs



Features/Models			PICO512	PICO511	PICO500
Form Factor			Pico-ITX	Pico-ITX	Pico-ITX
CPU Level			7th Gen Intel® Core™ i7/i5/i3 & Celeron®	7th Gen Intel® Core™ i7/i5/i3 & Celeron®	6th Gen Intel® Core™ i7/i5/i3 & Celeron®
CPU Socket			Onboard	Onboard	Onboard
Core Logic Chipset			SoC integrated	SoC integrated	SoC integrated
Memory Type			DDR4-2133	DDR4-2133	DDR4-2133
Max. DRAM Capacity			16GB	16GB	16GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS			AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer			65535 levels, 1 ~ 65535 sec	65535 levels, 1 ~ 65535 sec	255 levels, 1 ~ 255 sec.
Onboard SSD			N/A	N/A	N/A
Onboard Digital I/O			N/A	N/A	N/A
I/O	SATA		1 x SATA-600	1 x SATA-600	1 x SATA-600
	Serial	COM 1	N/A	N/A	N/A
		COM 2	N/A	N/A	N/A
	USB		1 x USB 2.0	1 x USB 2.0	1 x USB 2.0
SIM Card Slot			N/A	N/A	N/A
Display			1 x HDMI 1 x LVDS	1 x LVDS	1 x HDMI 1 x LVDS
Ethernet			1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio			N/A	N/A	HD Codec
Hardware Monitoring			Yes	Yes	Yes
SMBus			N/A	Yes	Yes
Expansion Interface			1 x full-size PCIe Mini Card w/ mSATA supported 1 x PCIe x 1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio link (through expansion connector)	1 x full-size PCIe Mini Card w/ mSATA supported 1 x half-size PCIe Mini Card 1 x PCIe x 1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio link (through expansion connector)	1 x full-size PCIe Mini Card w/ mSATA supported 1 x PCIe x 1, 2 x UART, 1 x DDI, 4 x USB 3.0, 1 x HD audio (through expansion connector)
Power Management			ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium
Operating Temperature			-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE
Wide Temperature			N/A	N/A	N/A

Pico-ITX SBCs



Features/Models		PICO880	PICO313	PICO312
Form Factor		Pico-ITX	Pico-ITX	Pico-ITX
CPU Level		5th/4th Gen Intel® Core™ i7/i5/i3 & Celeron®	Intel® Pentium® N4200/ Celeron® N3350	Intel® Pentium® N4200/ Celeron® N3350
CPU Socket		Onboard	Onboard	Onboard
Core Logic Chipset		SoC integrated	SoC integrated	SoC integrated
Memory Type		DDR3L-1066/1333	DDR3L-1867	DDR3L-1867
Max. DRAM Capacity		8GB	8GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.	65535 levels, 1 ~ 65535 sec.	65535 levels, 1 ~ 65535 sec.
Onboard SSD		N/A	N/A	N/A
Onboard Digital I/O		N/A	4-IN/OUT	N/A
I/O	SATA	1 x SATA-600	1 x SATA-600	1 x SATA-600
	Serial	COM 1	N/A	N/A
		COM 2	N/A	N/A
	USB	1 x USB 2.0	1 x USB 2.0	1 x USB 2.0
SIM Card Slot		N/A	N/A	N/A
Display		1 x DisplayPort 1 x LVDS	1 x LVDS	1 x HDMI 1 x LVDS
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	N/A	N/A
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x full-size PCIe Mini Card w/ mSATA supported 1 x PCIe x1, 2 x UART, 1 x DP, 4 x USB 3.0, 1 x HD audio (through expansion connector)	1 x full-size PCIe Mini Card w/ mSATA supported 1 x half-size PCIe Mini Card 1 x PCIe x1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio link (through expansion connector)	1 x full-size PCIe Mini Card w/ mSATA supported 1 x PCIe x1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio link (through expansion connector)
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A



Features/Models			PICO310	PICO300	PICO843
Form Factor			Pico-ITX	Pico-ITX	Pico-ITX
CPU Level			Intel® Atom™ x5 E3940	Intel® Pentium® N3710/ Celeron® N3060	Intel® Celeron® J1900/N2800
CPU Socket			Onboard	Onboard	Onboard
Core Logic Chipset			SoC integrated	SoC integrated	SoC integrated
Memory Type			DDR3L-1867	DDR3L-600	DDR3L-1066/1333
Max. DRAM Capacity			8GB	8GB	8GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS			AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer			65535 levels, 1 ~ 65535 sec	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD			N/A	N/A	N/A
Onboard Digital I/O			N/A	N/A	N/A
I/O	SATA		1 x SATA-600	1 x SATA-600	1 x SATA-300
	Serial	COM 1	N/A	N/A	RS-232/422/485
		COM 2	N/A	N/A	RS-232/422/485
	USB		1 x USB 2.0	1 x USB 2.0	4 x USB 2.0
SIM Card Slot			N/A	N/A	N/A
Display			1 x HDMI 1 x LVDS	1 x HDMI or 1 x VGA 1 x LVDS	1 x VGA 1 x LVDS
Ethernet			1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio			N/A	HD Codec	HD Codec
Hardware Monitoring			Yes	Yes	Yes
SMBus			Yes	Yes	Yes
Expansion Interface			1 x full-size PCIe Mini Card w/ mSATA supported 1 x PCIe x1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio link (through expansion connector)	1 x full-size PCIe Mini Card w/ mSATA supported 1 x PCIe x1, 2 x UART, 1 x DP, 4 x USB 3.0, 1 x HD audio (through expansion connector)	1 x full-size PCIe Mini Card w/ mSATA supported 1 x half-size PCIe Mini Card
Power Management			ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium
Operating Temperature			-40°C ~ +85°C (-40°F ~ +185°F)	-20°C ~ +60°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE
Wide Temperature			N/A	N/A	N/A

Pico-ITX SBCs



Features/Models		PICO842	PICO841	PICO840
Form Factor		Pico-ITX	Pico-ITX	Pico-ITX
CPU Level		Intel® Celeron® J1900/N2800	Intel® Atom™ E3845/E3827	Intel® Atom™ E3845/E3827
CPU Socket		Onboard	Onboard	Onboard
Core Logic Chipset		SoC integrated	SoC integrated	SoC integrated
Memory Type		DDR3L-1066/1333	DDR3L-1066/1333	DDR3L-1066/1333
Max. DRAM Capacity		8GB	8GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		N/A	N/A	N/A
Onboard Digital I/O		N/A	N/A	N/A
I/O	SATA	1 x SATA-300	1 x SATA-300	1 x SATA-300
	Serial	COM 1 RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 2 RS-232/422/485	RS-232/422/485	RS-232/422/485
	USB	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
SIM Card Slot		N/A	N/A	N/A
Display		1 x VGA or 1 x HDMI 1 x LVDS	1 x VGA 1 x LVDS	1 x VGA or 1 x HDMI 1 x LVDS
Ethernet		1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x full-size PCIe Mini Card w/ mSATA supported	1 x full-size PCIe Mini Card w/ mSATA supported 1 x half-size PCIe Mini Card	1 x full-size PCIe Mini Card w/ mSATA supported
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A



Features/Models	PICO121	PICO100
Form Factor	Pico-ITX	Pico-ITX
CPU Level	AMD Embedded GX-2103A SoC	AMD G-Series APU T40E/T40R
CPU Socket	Onboard	Onboard
Core Logic Chipset	SoC integrated	AMD A50M
Memory Type	DDR3/3L-1066/1333	DDR3-1066
Max. DRAM Capacity	8GB	4GB
Cache RAM Capacity	Integrated in APU	Integrated in APU
BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD	N/A	1 x CompactFlash™
Onboard Digital I/O	N/A	N/A
I/O	SATA	1 x SATA-600
	Serial	COM 1 RS-232/422/485
	COM 2	RS-232
USB	4 x USB 2.0	4 x USB 2.0
SIM Card Slot	N/A	N/A
Display	1 x VGA 1 x LVDS	1 x VGA or 1 x DisplayPort 1 x LVDS
Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio	HD Codec	HD Codec
Hardware Monitoring	Yes	Yes
SMBus	Yes	Yes
Expansion Interface	1 x full-size PCIe Mini Card w/ mSATA supported 1 x half-size PCI Express Mini Card 1 x PCIe x1, 1 x DP, 2 x USB 3.0 (through expansion connector)	N/A
Power Management	ACPI	ACPI
Battery	Lithium	Lithium
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance	CE	CE
Wide Temperature	N/A	N/A

PC/104 CPU Module



Features		Models	AX12260
Form Factor			PC/104
CPU Level			AMD LX800
CPU Socket			Onboard
CPU FSB Frequency			N/A
Core Logic Chipset			AMD CS5536AD
Memory Type			DDR-333/400
Max. DRAM Capacity			1GB
Cache RAM Capacity			Integrated in CPU
BIOS			Phoenix-Award
Watchdog Timer			255 levels, 1 ~ 255 sec.
Onboard SSD			1 x USB DiskOnModule
Onboard Digital I/O			3-IN & 5-OUT
I/O	IDE		1 x PATA-100
	SATA		N/A
	FDD		N/A
	LPT		N/A
	Serial	COM 1	RS-232
		COM 2	RS-232
		COM 3	N/A
		COM 4	N/A
	USB		4 x USB 2.0
	IEEE 1394a		N/A
	Display		1 x VGA 1 x TTL
Ethernet			1 x 10/100 Mbps Ethernet
Audio			AC'97 Codec
Hardware Monitoring			Yes
SMBus			Yes
Expansion Interface			1 x PCI-104 1 x PC/104
Power Management			ACPI
Battery			Lithium
Operating Temperature			0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity			10% to 95%, non-condensing
EMI Compliance			CE
Wide Temperature			-40°C ~ +85°C (-40°F ~ +185°F)

Mini-ITX Motherboards



Coming soon



Features/Models		MANO501	MANO500	MANO882
Form Factor		Thin Mini-ITX	Mini-ITX	Mini-ITX
CPU Level		6th/7th Gen Intel® Core™, Pentium® & Celeron®	6th/7th Gen Intel® Core™ i7/i5/i3, Pentium® & Celeron®	Intel® Xeon® E3-V3/ Core™ i7/i5/i3 & 4th Gen Intel® Celeron®
CPU Socket		LGA1151	LGA1151	LGA1150
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		Intel® H110	Intel® H110/Q170	Intel® C226
Memory Type		DDR4-2133	DDR4-2133	DDR3-1333/1600
Max. DRAM Capacity		32GB	32GB	16GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI	AMI	AMI
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		1 x mSATA	1 x mSATA	N/A
Onboard Digital I/O		4-IN & 4-OUT	4-IN & 4-OUT	4-IN & 4-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA-600	3 x SATA-600	4 x SATA-600
	FDD	N/A	N/A	N/A
	LPT	N/A	N/A	N/A
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232/422/485
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	RS-232	RS-232
		COM 6	RS-232	RS-232
	USB	2 x USB 2.0, 4 x USB 3.0	4 x USB 2.0, 4 x USB 3.0	6 x USB 2.0, 4 x USB 3.0
	IrDA	N/A	N/A	N/A
SIM Card Slot		N/A	1 x SIM	1 x SIM
IEEE 1394a		N/A	N/A	N/A
Display		2 x HDMI 1 x LVDS	1 x VGA 1 x HDMI 1 x DisplayPort 1 x LVDS (1 x eDP) for option	1 x VGA 1 x HDMI 1 x DisplayPort 1 x LVDS
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		N/A	N/A	N/A
Expansion Interface		1 x PCI Express Mini card 1 x PCIe x4	1 x PCI Express Mini card 1 x PCIe x16	1 x PCI Express Mini card (support mSATA) 1 x PCIe x16
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A

Mini-ITX Motherboards



Features/Models		MANO881	MANO310	MANO311	
Form Factor		Mini-ITX	Mini-ITX	Mini-ITX	
CPU Level		4th Gen Intel® Core™ i7/i5/i3 & Celeron®	Intel® Celeron® N3350	Intel® Celeron® N3350	
CPU Socket		LGA1150	Onboard	Onboard	
CPU FSB Frequency		N/A	N/A	N/A	
Core Logic Chipset		Intel® H81	SoC Integrated	SoC Integrated	
Memory Type		DDR3-1333/1600	DDR3L-1600	DDR3L-1600	
Max. DRAM Capacity		16GB	8GB	8GB	
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU	
BIOS		AMI	AMI	AMI	
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	
Onboard SSD		N/A	1 x M.2	1 x mSATA	
Onboard Digital I/O		4-IN & 4-OUT	4-IN & 4-OUT	4-IN & 4-OUT	
I/O	IDE	N/A	N/A	N/A	
	SATA	2 x SATA-600, 2 x SATA-300 (one colay mSATA)	1 x SATA-600	1 x SATA-600	
	FDD	N/A	N/A	N/A	
	LPT	N/A	N/A	N/A	
	Serial	COM 1	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 2	RS-232/422/485	RS-232/422/485	RS-232
		COM 3	RS-232/422/485	RS-232	RS-232
		COM 4	RS-232	RS-232	RS-232
		COM 5	RS-232	RS-232	RS-232
		COM 6	RS-232	RS-232	RS-232
	USB	8 x USB 2.0, 2 x USB 3.0	2 x USB 2.0, 4 x USB 3.0	2 x USB 2.0, 4 x USB 3.0	
	IrDA	N/A	N/A	N/A	
	SIM Card Slot		N/A	Yes	Yes
	IEEE 1394a		N/A	N/A	N/A
	Display		1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x HDMI 1 x LVDS	2 x HDMI 1 x LVDS
	Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
	Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes	
SMBus		N/A	N/A	N/A	
Expansion Interface		1 x PCIe x16	1 x PCI Express Mini card 1 x PCIe x1	1 x PCI Express Mini card 1 x PCIe x1	
Power Management		ACPI	ACPI	ACPI	
Battery		Lithium	Lithium	Lithium	
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	
EMI Compliance		CE	CE	CE	
Wide Temperature		N/A	N/A	N/A	



Features/Models		MANO300	MANO842	
Form Factor		Mini-ITX	Mini-ITX	
CPU Level		Intel® Celeron® N3160	Intel® Celeron® J1900	
CPU Socket		Onboard	Onboard	
CPU FSB Frequency		N/A	N/A	
Core Logic Chipset		SoC integrated	SoC integrated	
Memory Type		DDR3L-1333	DDR3L-1333	
Max. DRAM Capacity		8GB	8GB	
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	
BIOS		AMI	AMI	
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	
Onboard SSD		1 x mSATA	1 x mSATA	
Onboard Digital I/O		4-IN & 4-OUT	4-IN & 4-OUT	
I/O	IDE	N/A	N/A	
	SATA	1 x SATA-600	1 x SATA-300	
	FDD	N/A	N/A	
	LPT	N/A	N/A	
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232/422/485	RS-232/422/485
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	RS-232	RS-232
		COM 6	RS-232	RS-232
	USB	4 x USB 3.0, 2 x USB 2.0	5 x USB 2.0, 1 x USB 3.0	
	IrDA	N/A	N/A	
SIM Card Slot		Yes	1 x SIM	
IEEE 1394a		N/A	N/A	
Display		1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x HDMI 1 x LVDS	
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	
Audio		HD Codec	HD Codec	
Hardware Monitoring		Yes	Yes	
SMBus		N/A	N/A	
Expansion Interface		1 x PCI Express Mini card 1 x PCIe x1 1 x SD	1 x PCI Express Mini card 1 x PCIe x1	
Power Management		ACPI	ACPI	
Battery		Lithium	Lithium	
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	
EMI Compliance		CE	CE	
Wide Temperature		N/A	N/A	

Mini-ITX Motherboards



Features/Models		MANO873	MANO872	MANO871
Form Factor		Mini-ITX	Mini-ITX	Mini-ITX
CPU Level		3rd Gen Intel® Core™ i7/i5/i3 & Celeron®	3rd Gen Intel® Core™ i7/i5/i3 & Celeron®	3rd Gen Intel® Core™ i7/i5/i3 & Celeron®
CPU Socket		LGA1155	LGA1155	LGA1155
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		Intel® Q77	Intel® Q77	Intel® Q77
Memory Type		DDR3-1333/1600	DDR3-1333/1600	DDR3-1333/1600
Max. DRAM Capacity		16GB	16GB	16GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		N/A	N/A	N/A
Onboard Digital I/O		4-IN & 4-OUT	4-IN & 4-OUT	4-IN & 4-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA-300, 2 x SATA-600	2 x SATA-600, 2 x SATA-300	2 x SATA-600, 2 x SATA-300
	FDD	N/A	N/A	N/A
	LPT	N/A	N/A	N/A
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	N/A	RS-232
		COM 4	N/A	RS-232
		COM 5	N/A	N/A
		COM 6	N/A	N/A
	USB	4 x USB 3.0, 4 x USB 2.0	4 x USB 3.0, 4 x USB 2.0	4 x USB 2.0, 4 x USB 3.0
	IrDA	N/A	N/A	N/A
	SIM Card Slot	N/A	N/A	N/A
	IEEE 1394a	N/A	N/A	N/A
	Display	1 x VGA 1 x DVI-D	1 x DVI-I 1 x DisplayPort 1 x LVDS	1 x DVI-I 1 x HDMI 1 x LVDS
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		N/A	Yes	N/A
Expansion Interface		1 x PCIe x16 1 x PCI Express Mini Card (mSATA supported)	1 x PCIe x16 1 x PCI Express Mini Card	1 x PCIe x16 1 x PCI Express Mini Card
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A



Features/Models		MANO870	MANO861
Form Factor		Mini-ITX	Mini-ITX
CPU Level		3rd Gen Intel® Core™ i7/i5/i3 & Celeron®	3rd Gen Intel® Core™ i7/i5/i3 & Celeron®
CPU Socket		rPGA 988 (socket G2)	LGA1155
CPU FSB Frequency		N/A	N/A
Core Logic Chipset		Intel® QM77	Intel® H61
Memory Type		DDR3-1333/1600	DDR3-1066/1333
Max. DRAM Capacity		16GB	16GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		1 x CFast™	N/A
Onboard Digital I/O		4-IN & 4-OUT	4-IN & 4-OUT
I/O	IDE	N/A	N/A
	SATA	2 x SATA-600, 3 x SATA-300	3 x SATA-300
	FDD	N/A	N/A
	LPT	N/A	N/A
	Serial	COM 1	RS-232/422/485
		COM 2	RS-232
		COM 3	RS-232
		COM 4	RS-232
		COM 5	RS-232
		COM 6	RS-232
	USB	8 x USB 2.0, 4 x USB 3.0	6 x USB 2.0
	IrDA	N/A	N/A
SIM Card Slot		N/A	N/A
IEEE 1394a		N/A	N/A
Display		1 x VGA 1 x DVI-D 1 x HDMI 1 x LVDS	1 x VGA 1 x DVI-D 1 x LVDS
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec
Hardware Monitoring		Yes	Yes
SMBus		N/A	N/A
Expansion Interface		1 x PCIe x16 1 x PCI Express Mini Card	1 x PCIe x4 1 x PCI Express Mini Card
Power Management		ACPI	ACPI
Battery		Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE
Wide Temperature		N/A	N/A

Mini-ITX Motherboards



Features/Models		MANO830	MANO120	MANO111
Form Factor		Mini-ITX	Mini-ITX	Mini-ITX
CPU Level		Intel® Atom™ D2550/N2600	AMD G-Series APU T56N	AMD Embedded R-Series APU
CPU Socket		Onboard	Onboard	FS1r2 Socket
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		Intel® NM10	AMD A55E	AMD A75 PCH
Memory Type		DDR3-1066	DDR3-1066/1333	DDR3-1333/1600
Max. DRAM Capacity		4GB/2GB	4GB	16GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS	AMI	AMI UEFI BIOS with OA 3.0 built
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		N/A	1 x CFast™	1 x CFast™
Onboard Digital I/O		4-IN & 4-OUT	4-IN & 4-OUT	4-IN & 4-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA-300	5 x SATA-600	4 x SATA-600
	FDD	N/A	N/A	N/A
	LPT	1 x LPT	N/A	N/A
	Serial	COM 1	RS-232	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	N/A	RS-232
		COM 6	N/A	N/A
	USB	7 x USB 2.0	8 x USB 2.0	N/A
	IrDA	N/A	N/A	Yes
SIM Card Slot		N/A	N/A	N/A
IEEE 1394a		N/A	N/A	
Display		1 x VGA 1 x HDMI 1 x LVDS	1 x VGA 1 x HDMI 1 x LVDS	2 x DVI-D 2 x DisplayPort 1 x LVDS
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		N/A	Yes	N/A
Expansion Interface		1 x PCIe x1 1 x PCI Express Mini Card (mSATA supported)	1 x PCIe x4 1 x PCI Express Mini Card	1 x PCI 1 x PCI Express Mini Card
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A



Features		Models	SBC86620
Form Factor			Mini-ITX
CPU Level			AMD LX800
CPU Socket			Onboard
CPU FSB Frequency			N/A
Core Logic Chipset			AMD LX800 + CS5536AD
Memory Type			DDR-333/400
Max. DRAM Capacity			1GB
Cache RAM Capacity			Integrated in CPU
BIOS			Phoenix-Award
Watchdog Timer			255 levels, 1 ~ 255 sec.
Onboard SSD			1 x CompactFlash™
Onboard Digital I/O			4-IN & 4-OUT
I/O	IDE		2 x PATA-100
	SATA		N/A
	FDD		1 x FDD
	LPT		1 x LPT
	Serial	COM 1	RS-232/422/485
		COM 2	RS-232
		COM 3	RS-232
		COM 4	RS-232
		COM 5	N/A
		COM 6	N/A
	USB		4 x USB 2.0
IrDA			N/A
SIM Card Slot			N/A
IEEE 1394a			N/A
Display			1 x VGA/TTL 1 x LVDS
Ethernet			2 x 10/100 Mbps Ethernet
Audio			AC'97 Codec
Hardware Monitoring			Yes
SMBus			Yes
Expansion Interface			1 x PCI
Power Management			ACPI
Battery			Lithium
Operating Temperature			0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity			10% to 95%, non-condensing
EMI Compliance			CE
Wide Temperature			N/A

ATX Motherboards



Features/Models		IMB502	IMB501	IMB500	
Form Factor			ATX	ATX	
CPU Level		6th/7th Gen Intel® Core™ i7/i5/i3 & Celeron®	6th/7th Gen Intel® Core™ i7/i5/i3 & Celeron®	6th/7th Gen Intel® Core™ i7/i5/i3 & Celeron®	
CPU Socket		LGA1151	LGA1151	LGA1151	
CPU FSB Frequency		N/A	N/A	N/A	
Core Logic Chipset		Intel® Q170	Intel® H110	Intel® Q170	
Memory Type		DDR4-2133/1866	DDR4-2133/1866	DDR4-2133/1866	
Max. DRAM Capacity		64GB	32GB	64GB	
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU	
BIOS		AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built	
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	
Onboard SSD		N/A	N/A	N/A	
Onboard Digital I/O		4-IN & 4-OUT	4-IN & 4-OUT	4-IN & 4-OUT	
I/O	IDE	N/A	N/A	N/A	
	SATA	5 x SATA-600	3 x SATA-600	5 x SATA-600	
	FDD	N/A	N/A	N/A	
	LPT	N/A	N/A	N/A	
	Serial	COM 1	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232/422/485	RS-232/422/485
		COM 3	RS-232	RS-232	RS-232
		COM 4	RS-232	RS-232	RS-232
		COM 5	RS-232	RS-232	RS-232
		COM 6	RS-232	RS-232	RS-232
	USB	7 x USB 2.0, 6 x USB 3.0	4 x USB 2.0, 4 x USB 3.0	8 x USB 2.0, 4 x USB 3.0	
	IrDA	N/A	N/A	N/A	
SIM Card Slot		N/A	1 x SIM	1 x SIM	
IEEE 1394a		N/A	N/A	N/A	
Display		1 x VGA 1 x DVI-D 1 x HDMI	1 x VGA 1 X DisplayPort 1 x HDMI	1 x VGA 1 X DisplayPort 1 x HDMI	
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	
Audio		HD Codec	HD Codec	HD Codec	
Hardware Monitoring		Yes	Yes	Yes	
SMBus		Yes	N/A	Yes	
Expansion Interface		1 x PCIe x16 slot 3 x PCIe x4 slot 3 x PCI slot	4 x PCI 2 x PCIe x1 1 x PCIe x16 1 x PCI Express Mini Card 1 x mSATA	4 x PCI 2 x PCIe x4 1 x PCIe x16 1 x PCI Express Mini Card 1 x mSATA	
Power Management		ACPI	ACPI	ACPI	
Battery		Lithium	Lithium	Lithium	
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	
EMI Compliance		CE	CE	CE	
Wide Temperature		N/A	N/A	N/A	



Features/Models		IMB211	IMB210	IMB208
Form Factor		ATX	ATX	ATX
CPU Level		4th Gen Intel® Core™ i7/i5/i3 & Celeron®	Intel® Xeon® E3-V3, 4th Gen Intel® Core™ i7/i5/i3 & Celeron®	Intel® Xeon® E3-V2, Core™ i7/i5/i3 & 3rd Gen Intel® Celeron®
CPU Socket		LGA1150	LGA1150	LGA1155
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		Intel® Q87	Intel® C226	Intel® C216
Memory Type		DDR3-1333/1600	DDR3-1333/1600	DDR3-1333/1600
Max. DRAM Capacity		32GB	32GB	32GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		N/A	1 x CFast™	1 x CFast™
Onboard Digital I/O		4-IN & 4-OUT	4-IN & 4-OUT	4-IN & 4-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	5 x SATA-600	5 x SATA-600	2 x SATA-600, 3 x SATA-300
	FDD	N/A	N/A	N/A
	LPT	N/A	N/A	N/A
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232/422/485	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	RS-232	N/A
		COM 6	RS-232	N/A
	USB	10 x USB 2.0, 4 x USB 3.0	6 x USB 2.0, 4 x USB 3.0	8 x USB 2.0, 4 x USB 3.0
	IrDA	N/A	N/A	N/A
SIM Card Slot		N/A	N/A	N/A
IEEE 1394a		N/A	N/A	N/A
Display		1 x VGA 1 X DisplayPort 1 x HDMI	1 x DVI-I 1 x DisplayPort 1 x HDMI	1 x DVI-I 2 x DisplayPort
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		N/A	Yes	Yes
Expansion Interface		4 x PCI 1 x PCIe x1 1 x PCIe x4 1 x PCIe x16 1 x PCI Express Mini Card	3 x PCI 1 x PCIe x1 1 x PCIe x4 1 x PCIe x16 or 2 x PCIe x8	1 x PCIe x16 1 x PCIe x4 2 x PCIe x1 3 x PCI
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A

ATX Motherboards



Features/Models		IMB207	IMB206	IMB204	
Form Factor		ATX	ATX	ATX	
CPU Level		Intel® Core™ i7/i5/i3 & 3rd Gen Celeron®	2nd Gen Intel® Core™ i7/i5/i3 & Celeron®	3rd Gen Intel® Core™ i7/i5/i3 & Celeron®	
CPU Socket		LGA1155	LGA1155	LGA1155	
CPU FSB Frequency		N/A	N/A	1333/1600 MHz	
Core Logic Chipset		Intel® Q77	Intel® Q67	Intel® B75	
Memory Type		DDR3-1333/1600	DDR3-1066/1333	DDR3-1333/1600	
Max. DRAM Capacity		32GB	16GB	32GB	
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU	
BIOS		AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS with OA 3.0 built	AMI	
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	
Onboard SSD		1 x CFast™	1 x CFast™	N/A	
Onboard Digital I/O		4-IN & 4-OUT	4-IN & 4-OUT	4-IN & 4-OUT	
I/O	IDE	N/A	N/A	N/A	
	SATA	2 x SATA-600, 3 x SATA-300	2 x SATA-600, 3 x SATA-300	1 x SATA-600, 5 x SATA-300	
	FDD	N/A	N/A	N/A	
	LPT	N/A	N/A	1 x LPT	
	Serial	COM 1	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232	RS-232
		COM 3	RS-232	RS-232	RS-232
		COM 4	RS-232	RS-232	RS-232
		COM 5	N/A	N/A	RS-232
		COM 6	N/A	N/A	RS-232
	USB	4 x USB 2.0, 8 x USB 3.0	12 x USB 2.0	12 x USB 2.0	
	IrDA	N/A	N/A	N/A	
SIM Card Slot		N/A	N/A	N/A	
IEEE 1394a		N/A	N/A	N/A	
Display		1 x DVI-I 2 x DisplayPort	1 x DVI-I 2 x DisplayPort	1 x VGA 1 x DVI-D	
Ethernet		2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	
Audio		HD Codec	HD Codec	HD Codec	
Hardware Monitoring		Yes	Yes	Yes	
SMBus		N/A	Yes	N/A	
Expansion Interface		1 x PCIe x16 1 x PCIe x4 2 x PCIe x1 3 x PCI	1 x PCIe x16 1 x PCIe x4 2 x PCIe x1 3 x PCI	1 x PCIe x16 1 x PCIe x4 1 x PCIe x1 4 x PCI	
Power Management		ACPI 3.0	ACPI	ACPI	
Battery		Lithium	Lithium	Lithium	
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	
EMI Compliance		CE	CE	CE	
Wide Temperature		N/A	N/A	N/A	

PICMG 1.3 Full-size System Host Boards



Features/Models		SHB140	SHB131	SHB130
Form Factor		PICMG 1.3	PICMG 1.3	PICMG 1.3
CPU Level		6th/7th Gen Intel® Core™ i7/i5/i3	4th Gen Intel® Core™ i7/i5 & Celeron®	4th Gen Intel® Core™ i7/i5 & Celeron®
CPU Socket		LGA1151	BGA1168	LGA1150
CPU FSB Frequency		N/A	N/A	N/A
Core Logic Chipset		Intel® Q170	SoC	Intel® Q87
Memory Type		DDR4-2133	DDR3L-1600	DDR3-1333/1600
Max. DRAM Capacity		32GB	16GB	16GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS with OA 3.0 built	AMI	AMI UEFI BIOS with OA 3.0 built
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		N/A	N/A	N/A
Onboard Digital I/O		N/A	N/A	N/A
I/O	IDE	N/A	N/A	N/A
	SATA	6 x SATA-600	2 x SATA-600	6 x SATA-600
	FDD	N/A	N/A	N/A
	LPT	N/A	1 x LPT	1 x LPT
	Serial	COM 1	RS-232	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	RS-232	RS-232
		COM 6	RS-232	N/A
	USB	6 x USB 2.0, 2 x USB 3.0	6 x USB 2.0, 2 x USB 3.0	10 x USB 2.0, 4 x USB 3.0
	IrDA	N/A	N/A	N/A
	IEEE 1394a	N/A	N/A	N/A
	Display	1 x DVI-I	2 x DVI-D	1 x VGA or DisplayPort 1 x DVI-D
	Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
	Audio	HD Codec	HD Codec	HD Codec
	Hardware Monitoring	Yes	Yes	Yes
SMBus		Yes	N/A	Yes
Expansion Interface		1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI	1 x PCIe x4 or 4 x PCIe x1	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	UL, CE, FCC	CE
Wide Temperature		N/A	N/A	N/A

PICMG 1.3 Full-size System Host Boards



Features/Models	SHB120	SHB108	SHB106
Form Factor	PICMG 1.3	PICMG 1.3	PICMG 1.3
CPU Level	3rd Gen Intel® Core™ i7/i5/i3	Intel® Xeon® & 3rd Gen Intel® Core™ i7/i5/i3	3rd Gen Intel® Core™ i7/i5/i3
CPU Socket	LGA1155	LGA1155	LGA1155
CPU FSB Frequency	N/A	N/A	N/A
Core Logic Chipset	Intel® Q77	Intel® C206	Intel® Q67
Memory Type	DDR3-1333/1600	DDR3-1066/1333	DDR3-1066/1333
Max. DRAM Capacity	16GB	16GB	16GB
Cache RAM Capacity	Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS	AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS	AMI UEFI BIOS
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD	N/A	N/A	N/A
Onboard Digital I/O	N/A	N/A	N/A
I/O	IDE	N/A	N/A
	SATA	4 x SATA-300, 2 x SATA-600	4 x SATA-300, 2 x SATA-600
	FDD	1 x FDD	1 x FDD
	LPT	1 x LPT	1 x LPT
	COM 1	RS-232/422/485	RS-232/422/485
	COM 2	RS-232	RS-232
	Serial COM 3	N/A	N/A
	COM 4	N/A	N/A
	COM 5	N/A	N/A
	USB	10 x USB 2.0, 4 x USB 3.0	14 x USB 2.0
	IrDA	N/A	N/A
	IEEE 1394a	N/A	N/A
Display	1 x VGA or DisplayPort	1 x VGA or DisplayPort	1 x VGA or DisplayPort
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
Audio	HD Codec	HD Codec	HD Codec
Hardware Monitoring	Yes	Yes	Yes
SMBus	Yes	Yes	Yes
Expansion Interface	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI
Power Management	ACPI	ACPI	ACPI
Battery	Lithium	Lithium	Lithium
Operating Temperature	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance	CE	CE	CE
Wide Temperature	N/A	N/A	N/A



Features\Models		SHB111
Form Factor		PICMG 1.3
CPU Level		Intel® Core™ i7/i5/i3
CPU Socket		Socket G
CPU FSB Frequency		N/A
Core Logic Chipset		Intel® QM57
Memory Type		DDR3-800/1066
Max. DRAM Capacity		8GB
Cache RAM Capacity		Integrated in CPU
BIOS		AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.
Onboard SSD		1 x CompactFlash™
Onboard Digital I/O		N/A
I/O	IDE	N/A
	SATA	6 x SATA-300
	FDD	1 x FDD
	LPT	1 x LPT
	Serial	COM 1 RS-232
		COM 2 RS-232/422/485
		COM 3 N/A
		COM 4 N/A
		COM 5 N/A
	USB	14 x USB 2.0
	IrDA	N/A
IEEE 1394a		N/A
Display		1 x VGA 1 x LVDS
Ethernet		2 x 10/100/1000 Mbps Ethernet
Audio		HD Codec
Hardware Monitoring		Yes
SMBus		Yes
Expansion Interface		1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI
Power Management		ACPI
Battery		Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing
EMI Compliance		CE
Wide Temperature		N/A

PICMG 1.3 Half-size System Host Boards



Features/Models		SHB230	SHB213
Form Factor		PICMG 1.3	PICMG 1.3
CPU Level		Intel® Core™ i7/i5/i3	Intel® Core™ i7/i5/i3 & Celeron®
CPU Socket		LGA1150	Socket G2
CPU FSB Frequency		N/A	N/A
Core Logic Chipset		Intel® Q87	Intel® HM65
Memory Type		DDR3-1333/1600	DDR3-1066/1333
Max. DRAM Capacity		16GB	8GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU
BIOS		AMI UEFI BIOS with OA 3.0 built	AMI UEFI BIOS
Watchdog Timer		255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Onboard SSD		1 x CFast™	1 x CFast™
Onboard Digital I/O		Yes	N/A
I/O	IDE	N/A	N/A
	SATA	2 x SATA-600	2 x SATA-600
	FDD	N/A	N/A
	LPT	N/A	N/A
	Serial	COM 1	RS-232-422-485
		COM 2	RS-232-422-485
		COM 3	N/A
		COM 4	N/A
		COM 5	N/A
	USB	4 x USB 2.0 2 x USB 3.0	2 x USB 3.0 6 x USB 2.0
	IrDA	N/A	N/A
	IEEE 1394a	N/A	N/A
	Display	1 x DVI-I 1 x LVDS	1 x VGA
	Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
	Audio	HD Codec	N/A
Hardware Monitoring		N/A	Yes
SMBus		N/A	Yes
Expansion Interface		1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1
Power Management		ACPI	ACPI
Battery		Lithium	Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)	0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE
Wide Temperature		N/A	N/A

PICMG 1.0 Full-size CPU Card



Features\Models		SBC81210
Form Factor		PICMG 1.0
CPU Level		Intel® Core™ i7/i5/i3 & Celeron®
CPU Socket		LGA1155
CPU FSB Frequency		N/A
Core Logic Chipset		Intel® B65
Memory Type		DDR3-1066/1333
Max. DRAM Capacity		8GB
Cache RAM Capacity		Integrated in CPU
BIOS		AMI UEFI BIOS
Watchdog Timer		255 levels, 0 ~ 255 sec.
Onboard SSD		N/A
Onboard Digital I/O		N/A
I/O	IDE	N/A
	SATA	1 x SATA-600 & 3 SATA-300
	FDD	1 x FDD
	LPT	1 x LPT
	COM 1	RS-232
	COM 2	RS-232/422/485
	Serial COM 3	N/A
	COM 4	N/A
	COM 5	N/A
	USB	6 x USB 2.0
	IrDA	N/A
IEEE 1394a		N/A
Display		1 x VGA or DisplayPort
Ethernet		2 x 10/100/1000 Mbps Ethernet
Audio		By audio converter
Hardware Monitoring		Yes
SMBus		Yes
Expansion Interface		PCI
Power Management		ACPI
Battery		Lithium
Operating Temperature		0°C ~ +60°C (+32°F ~ +140°F)
Relative Humidity		10% to 95%, non-condensing
EMI Compliance		CE
Wide Temperature		N/A

RISC Embedded Boards



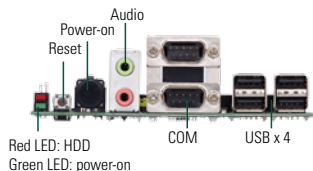
Features/Models		Q7M100	Q7M120	SCM120
Form Factor		Qseven	Qseven	SMARC
CPU Level		Freescaler iMX28 ARM926EJ-S	Freescaler i.MX6 ARM Cortex™-A9 (Quad/DualLite)	Freescaler i.MX6 ARM Cortex™-A9 (Quad/DualLite)
CPU FSB Frequency		454 MHz	800 MHz, 1 GHz (solo)	800 MHz, 1 GHz
System Memory		DDR2-667, up to 128MB	DDR3-1600, up to 1GB	DDR3-1600, up to 1GB
eMMC		4GB	4GB	4GB
I/O	PCIe	N/A	1	1
	SATA	N/A	1 (Quad support)	1 (Quad support)
	USB	2 (OTG/Host)	2 (OTG/Host)	2 (OTG/Host)
	Audio	Mic-in, Headphone	Mic-in, Headphone	Mic-in, Headphone
	CAN	2	2	2
	LAN	1	1	1
	I2C	2	3	4
	SPI	Yes	Yes	Yes
	UART	5 (4 COM, 1 console)	5 (4 COM, 1 console)	4 (3 COM, 1 console)
	SD/MMC(8 bit)	1	1	1
	MIPI-CSI	N/A	N/A	1
	PCAM	N/A	N/A	1
	GPIO	8	8	8
Graphic	HDMI	N/A	1	1
	VGA	N/A	N/A	N/A
	24 bit TTL	1	1	1
	LVDS	N/A	Dual Channel	Dual Channel
OS	Linux	2.6.35	3.0.35	3.0.35
	Android	N/A	4.3	4.3
Evaluation Kit Board		Q7M100-100-EVK	Q7M120-120-EVK	SCM120-120-EVK
Operating Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F) 0°C ~ +60°C (+32°F ~ +140°F) (1 GHz)	-40°C ~ +85°C (-40°F ~ +185°F) 0°C ~ +60°C (+32°F ~ +140°F) (1 GHz)

I/O Board for Pico-ITX Boards

Attached as Accessory

AX93265

Specification: 1 x RS-232/422/485, 1 x RS-232, 4 x USB2.0, 1 x Audio (Mic-in/Line-out),
1 x power-on, 1 x Reset, 2 x LED
Dimension: 118 x 29 mm
Compliant Product: PICO830, PICO831



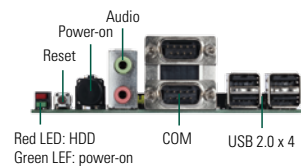
AX93267

Specification: 1 x DC Jack, 1 x VGA, 1 x Gigabit LAN
Dimension: 100 x 26 mm
Compliant Product: PICO831, PICO841, PICO843



AX93283

Specification: 1 x RS-232/422/485, 1 x RS-232, 4 x USB 2.0, 1 x Audio (Mic-in/Line-out),
1 x power-on, 1 x Reset, 2 x LED
Dimension: 118 x 29 mm
Compliant Product: PICO840, PICO841, PICO843



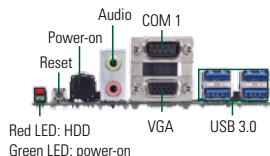
Ordered by Optional

AX93275

Specification: 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x VGA,
1 x Audio (Mic-in/Line-out), 1 x power-on, 1 x Reset, 2 x LED
Dimension: 118 x 40 mm
Compliant Product: PICO880, PICO500, PICO300

Ordering Information

AX93275	P/N: E393275102
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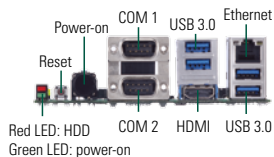


AX93276

Specification: 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x HDMI, 1 x Gigabit LAN,
1 x power-on, 1 x Reset, 2 x LED
Dimension: 118 x 40 mm
Compliant Product: PICO880, PICO500, PICO300

Ordering Information

AX93276	P/N: E393276102
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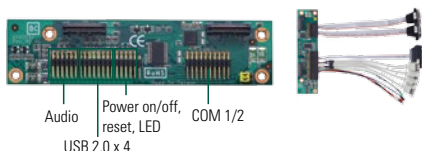


AX93292

Specification: 1 x RS-232/422/485, 1 x RS-232, 4 x USB 2.0, 1 x Audio (Mic-in/Line-out),
1 x power-on, 1 x Reset, 2 x LED
Dimension: 118 x 29 mm
Compliant Product: PICO880, PICO500, PICO300

Ordering Information

AX93292	P/N: E393292100
Cable for COM	P/N: 594H8302100E
Cable for Audio+USB+LED	P/N: 59340000200E



I/O Board for Pico-ITX Boards

Ordered by Optional

AX93299

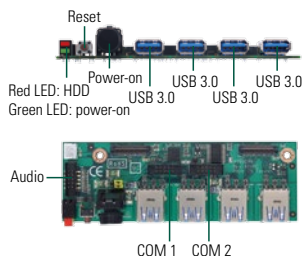
Specification: 1 x RS-232/422/485, 1 x RS-232, 1 x Audio (Mic-in/Line-in/Line-out),
4 x USB 3.0, 1 x power-on, 1 x Reset, 2 x LED

Dimension: 118 x 40 mm

Compliant Product: PICO880, PICO500, PICO300

Ordering Information

AX93299	P/N: E393299100
Cable for COM	P/N: 59382620000E
Cable for Audio+USB+LED	P/N: 59384500100E



AX93A00

NEW

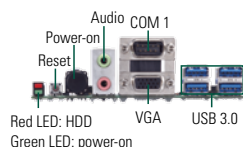
Specification: 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x VGA,
1 x Audio (Mic/Line-out), 1 x power-on, 1 x Reset, 2 x LED

Dimension: 118 x 40 mm

Compliant Product: PICO310, PICO312, PICO511, PICO512, PICO313

Ordering Information

AX93A00	E393A00100
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AX93A01

NEW

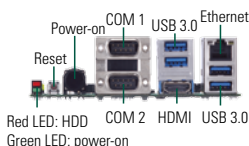
Specification: 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x HDMI, 1 x Gigabit LAN,
1 x Audio (Mic-in/Line-out), 1 x power-on, 1 x Reset, 2 x LED

Dimension: 118 x 40 mm

Compliant Product: PICO310, PICO312, PICO511, PICO512, PICO313

Ordering Information

AX93A01	E393A01100
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AX93A02

NEW

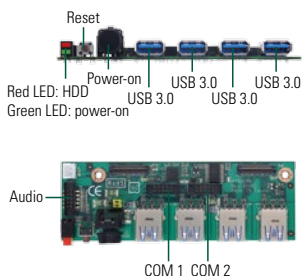
Specification: 1 x RS-232/422/485, 1 x RS-232, 1 x Audio (Mic-in/Line-in/Line-out),
4 x USB 3.0, 1 x power-on, 1 x Reset, 2 x LED

Dimension: 118 x 40 mm

Compliant Product: PICO310, PICO312, PICO511, PICO512, PICO313

Ordering Information

AX93A02	E393A02100
Cable for COM	P/N: 59382620000E
Cable for Audio+USB+LED	P/N: 59384500100E



AX93A09

NEW

Specification: 1 x RS-232/422/485, 1 x RS-232, 4 x USB 2.0, 1 x Audio (Mic-in/Line-out),
1 x power-on, 1 x Reset, 2 x LED

Dimension: 118 x 29 mm

Compliant Product: PICO310, PICO312, PICO511, PICO512, PICO313

Ordering Information

AX93A09	E393A09100
Cable for COM	P/N: 594H8302100E
Cable for Audio+USB+LED	P/N: 59340000200E



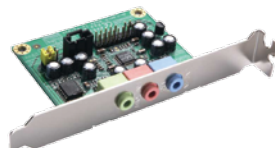
I/O Cable Kit

AX93242

HD audio converter board with bracket for SBC81205, SBC81206, SHB101 and SHB210
Mic-in/CD-in/Line-in/Line-out/Speaker-out

Ordering Information

AX93242 (P/N: E393242100)	HD audio kit for SBC81205, SBC81206, SHB101
AX93242 (P/N: E393242101)	HD audio kit for SHB210, SBC81210



Full-size PCI Express Mini Modules

AX92907

NEW

Full-size PCI Express Mini Module with SATA

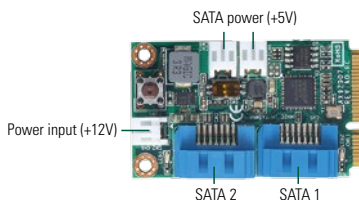
Features	- Two independent SATA channels - Fully compatible with SATA revision 2.0 and 3.0 hard drives (HDD) and Solid State Drives (SSD) - Support RAID 0,1 - Two SATA power connectors with +5V
Form factor	Full-size PCI Express Mini Card
Specification	2 SATA connector and SATA power connector
Dimension	51 x 30 mm

Ordering Information

AX92907 (P/N: E392907100)	Full-size PCI Express Mini Module with SATA
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Optional ordering for cables

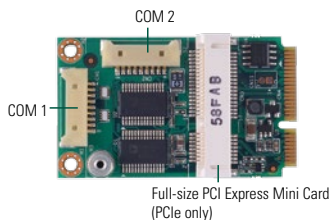
59429070600E	SATA power cable L=200mm
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AX92906

Full-size PCI Express Mini Module with COM

Features	- USB to 2 Channel high speed RS-232 ports - Supports one half-size PCI Express Mini card slot (PCIe only)
Form factor	Full-size PCI Express Mini Card
Specification	2 COM ports (2 x RS-232) and half-size PCI Express Mini Card slot (PCIe only)
Dimension	51 x 30 mm



▲ AX92906 with cable

Full-size PCI Express Mini Modules

AX92902

Full-size PCI Express Mini Module with Gigabit LAN

Features	- Supports 10/100/1000 Mbps transfer rates - Supports Wake-on LAN - Supports PXE Boot ROM
From factor	Full-size PCI Express Mini Card
Controller	Intel® i210IT
Specification	1 Gigabit Ethernet
Dimension	51 x 30 mm

Ordering Information

AX92902+AX93287	Full-size PCI Express Mini Module with Gigabit LAN (P/N: E392902101)
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AX92904

Full-size PCI Express Mini Module with 32 bit DIO

Features	- Support four 8-bit TTL level DIO ports with +5V powered - Each bit can be programmable as input or output
From factor	Full-size PCI Express Mini Card
Specification	32 bit programmable DIO
Dimension	51 x 30 mm

Ordering Information

AX92904	Full-size PCI Express Mini Module with 32-bit DIO (P/N: E392904101)
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8 bit Digital I/O x 4

AX92903

Full-size PCI Express Mini Module with CAN Bus

Features	- USB to 1 channel CANBus port - Support CANOpen
From factor	Full-size PCI Express Mini Card
Specification	CAN 2.0A and CAN 2.0B
Dimension	51 x 30 mm

Ordering Information

AX92903	Full-size PCI Express Mini Module with CAN Bus (P/N: E392903100)
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AX92905

Full-size PCI Express Mini Module with Audio

Features	- USB to Audio as Mic-in/Line-in/Line-out - Supports one half-size PCI Express Mini card slot (PCIe only)
From factor	Full-size PCI Express Mini Card
Controller	Cmedia CM6510B
Specification	Specification Audio with Mic-In/Line-In/Line-Out and half-size PCI Express Mini Card slot (PCIe only)
Dimension	51 x 30 mm

Ordering Information

AX92905	Full-size PCI Express Mini Module with Audio and (P/N:E392905100) Half-size PCI Express Mini Card (PCIe only)
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Full-size PCI Express Mini Card (PCIe only)



▲ AX92905 with cable

PoE I/O Boards

AX93274

- Specifications: A PoE-PD I/O board complies with IEEE802.3af standard via an internal cable to power on SBC
- Dimension: 100 x 32 mm
- Accessories: 1 x LAN cable, 1 x power cable, 1 x thermal module
- Compliant Product: PICO831, PICO121, PICO841, PICO843

Ordering Information

AX93274	PoE-PD I/O board
(P/N: E393274100)	



AX93280

- Specifications: A PoE-PSE I/O board complies with IEEE802.3af standard via an internal cable connected to LAN port on a SBC to power an external PoE device
- Dimension: 100 x 32 mm
- Accessories: 1 x LAN cable, 1 x power cable
- Compliant Product: PICO831, PICO121, PICO841, PICO843

Ordering Information

AX93280	PoE-PSE I/O board
(P/N: E393280100)	



ZIO Modules

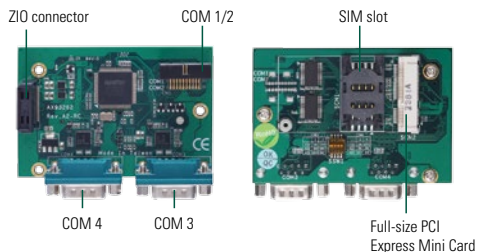
AX93262

ZIO module with four COM ports and one PCI Express Mini Card

- Specification: 2 x RS-232/422/485, 2 x RS-232, 1 x PCI Express Mini Card
- Dimension: 80 x 55 mm
- Accessory: 2 x COM with bracket cable
- Compliant Product: CAPA830, CAPA840, CAPA843, CAPA880, CAPA500

Ordering Information

AX93262	ZIO module with 4 COM ports and 1 PCI Express Mini Card
(P/N: E393262100)	



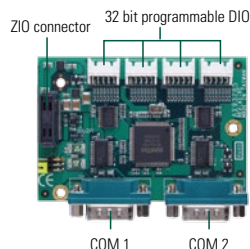
AX93285

ZIO module with two COM ports and 32 bit programmable DIO

- Specification: 2 x RS-232, 32-bit programmable DIO
- Dimension: 80 x 55 mm
- Compliant Product: CAPA830, CAPA840, CAPA843, CAPA880, CAPA500

Ordering Information

AX93285	ZIO module with 2 COM ports and 32 bit programmable DIO
(P/N: E393285100)	



AX93291

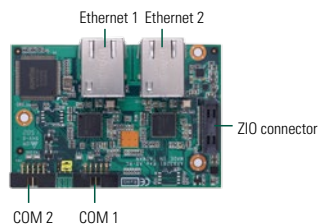
NEW

ZIO module with two Gigabit Ethernet and two COM ports

- Specification: 2 x Gigabit Ethernet, 2 x RS-232
- Dimension: 80 x 55 mm
- Controller: Intel® i211AT
- Compliant Product: CAPA830, CAPA840, CAPA843, CAPA880, CAPA500

Ordering Information

AX93291	ZIO module with two Gigabit Ethernet and two COM ports
(P/N: E393291100)	



AX93295

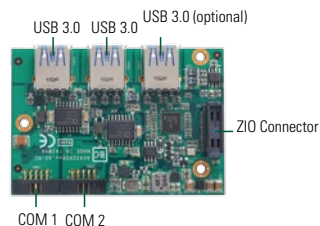
NEW

ZIO module with two isolated COM ports and two USB 3.0 ports

- Specification: 2 x isolated RS-232, 2 x USB 3.0
- Dimension: 80 x 55 mm
- Compliant Product: CAPA830, CAPA840, CAPA843, CAPA880, CAPA500

Ordering Information

AX93295	ZIO module with two isolated COM ports and two USB 3.0 ports
(P/N: E393295100)	



Note: the 3rd USB 3.0 working is subject to which 3.5" is installed.

Embedded Systems



Features/Models	eBOX100-312-FL	eBOX530-840-FL	eBOX532-100-FL
CPU Level	Intel® Celeron® N3350 2.4 GHz	Intel® Atom™ E3825 1.33 GHz	AMD G-Series APU T40R 1.0 GHz
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB	1 x 204-pin DDR3 SO-DIMM, up to 4GB
Chipset	SoC integrated	SoC integrated	AMD A50M FCH
Serial	1 x RS-232	2 x RS-232/422/485 (COM 1 /2)	2 x RS-232 (COM 1/2)
Display	2 x HDMI	1 x VGA or 1 x HDMI	1 x VGA or 1 x DisplayPort
Audio	N/A	Yes	Yes
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	Yes
Ethernet	2 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
USB	2 x USB 3.0 4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
Expansion Interface	2 x full-size PCI Express Mini Card 1 x SIM slot	1 x full-size PCI Express Mini Card	N/A
Storage	1 x 2.5" HDD drive bay	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD drive bay 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	12 VDC	100 ~ 240 VAC adapter 36W	100 ~ 240 VAC adapter 40W
Operating Temperature	-5°C ~ +60°C (+23°F ~ +140°F) (with W.T. DRAM & SSD)	-20°C ~ +60°C (-4°F ~ +140°F) (with W.T. SSD & DRAM)	0°C ~ +45°C (+32°F ~ +113°F) (with W.T. HDD) 0°C ~ +50°C (+32°F ~ +122°F) (with W.T. SSD & W.T. CF)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	216 x 137.65 x 44 mm (8.5" x 5.41" x 1.73")	132 x 95.4 x 47.5 mm (5.19" x 3.75" x 1.87")	132 x 95.4 x 47.5 mm (5.19" x 3.75" x 1.85")
Weight (net/gross)	1.15 kg (2.53 lb)/1.5 kg (3.3 lb)	0.5 kg (1.1 lb)/0.6 kg (1.32 lb)	0.5 kg (1.1 lb)/0.6 kg (1.32 lb)
Certificate	CE, FCC	CE	CE
EOS Support	Win 10 IoT	WE8S, WE57, WinCE, Linux	WES, WE57, XPE, Linux

Embedded Systems



Features/Models	eBOX560-512-FL	eBOX560-500-FL	eBOX565-500-FL
CPU Level	7th Gen Intel® Core™ i7/i5-7300U 3.5GHz/Celeron® 3955U 2.0 GHz	6th Gen Intel® Core™ i7-6600U 3.4 GHz/ i5-6300U 3.0 GHz/ Celeron® 3955U 2.0 GHz	6th gen Intel® Core™ i5-6300U 3.0 GHz/ Celeron® 3955U 2.0 GHz/ i3-6100U 2.3 GHz
System Memory	1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB	1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB	1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	2 x RS-232/422/485 (COM 1/2)	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2)	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2)
Display	2 x HDMI	2 x HDMI	2 x HDMI
Audio	N/A	N/A	N/A
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	4 x USB 3.0	4 x USB 3.0	4 x USB 3.0
Expansion Interface	1 x full-size PCI Express Mini Card (USB+PCIe)	1 x full-size PCI Express Mini Card (USB+PCIe)	1 x full-size PCI Express Mini Card (USB+PCIe)
Storage	1 x 2.5" HDD drive bay 1 x mSATA (optional)	1 x 2.5" HDD drive bay 1 x mSATA (optional)	1 x 2.5" HDD drive bay 1 x mSATA (optional)
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	12 VDC	12 VDC	9 ~ 36 VDC
Operating Temperature	-10°C ~ +55°C (-14°F ~ +131°F) (with W.T. SSD)	-10°C ~ +55°C (-14°F ~ +131°F) (with W.T. SSD)	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	141.5 x 106 x 55 mm (5.57" x 4.17" x 2.17")	141.5 x 106 x 55 mm (5.57" x 4.17" x 2.17")	141.5 x 106 x 76.2 mm (5.57" x 4.17" x 3")
Weight (net/gross)	0.8 kg (1.76 lb)/1.67 kg (3.68 lb)	0.8 kg (1.76 lb)/1.67 kg (3.68 lb)	1.3 kg (2.87 lb)/1.8 kg (3.97 lb)
Certificate	CE, FCC	CE	CE
EOS Support	Win 10 IoT, WEBS	Win 10 IoT, WEBS, WES7	Win 10 IoT, WEBS



Features/Models	eBOX560-300-FL	eBOX560-880-FL	eBOX560-880-FL-ECM
CPU Level	Intel® Pentium® N3710	5th/4th Gen Intel® Core™ i5/i3 & Celeron® ULT	4th Gen Intel® Core™ i5-4300U & Celeron® 2980U ULT
System Memory	1 x 204-pin DDR3L-1600 up to 8GB	1 x 204-pin DDR3L-1600 up to 8GB	1 x 204-pin DDR3L-1600 up to 8GB
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2)	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2)	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2)
Display	2 x HDMI	1 x DisplayPort 1 x HDMI	1 x DisplayPort 1 x HDMI
Audio	N/A	N/A	N/A
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	1 x EtherCAT Master 1 x 10/100/1000 Mbps Ethernet
USB	4 x USB 3.0	4 x USB 3.0	4 x USB 3.0
Expansion Interface	1 x PCI Express Mini Card (USB+PCIe)	1 x PCI Express Mini Card (USB+PCIe)	1 x PCI Express Mini Card (USB+PCIe)
Storage	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD drive bay 1 x mSATA
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	90 ~ 264 VAC adapter 60W	90 ~ 264 VAC adapter 60W	90 ~ 264 VAC adapter 60W
Operating Temperature	-20°C ~ +55°C (-4°F ~ +131°F) (with W.T. SSD)	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD)	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	141.5 x 106 x 55 mm (5.57" x 4.17" x 2.17")	141.5 x 106 x 55 mm (5.57" x 4.17" x 2.17")	141.5 x 106 x 55 mm (5.57" x 4.17" x 2.17")
Weight (net/gross)	0.8 kg (1.76 lb)/1.5 kg (3.31 lb)	0.8 kg (1.76 lb)/1.5 kg (3.31 lb)	0.8 kg (1.76 lb)/1.5 kg (3.31 lb)
Certificate	CE	CE, UL, FCC & VCCI	CE
EOS Support	Win 10 IoT, WE8S	WE8S, WES7	WE8S, WES7, Linux

Embedded Systems



Features/Models	eBOX625-311-FL	eBOX620-841-FL	eBOX625-841-FL
CPU Level	Intel® Atom™ x5-E3940 1.8 GHz	Intel® Atom™ E3845 1.91 GHz	Intel® Atom™ E3826 1.46 GHz
System Memory	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	2 x RS-232/422/485 1 x RS-232	2 x RS-232/422/485 (COM 1/2) 2 x RS-232 (COM 3/4)	2 x RS-232/422/485 (COM 1 /2)
Display	1 x VGA 1 x HDMI	1 x VGA 1 x HDMI	1 x VGA 1 x HDMI
Audio	Yes	Yes	Yes
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	4 x USB 3.0	4 x USB 2.0	4 x USB 2.0
Expansion Interface	2 x full-size PCI Express Mini Card 1 x SIM slot	2 x PCI Express Mini Card (USB+PCIe)	1 x full-size PCI Express Mini Card 1 x half-size PCI Express Mini Card
Storage	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD drive bay 1 x CFast™ 1 x mSATA	1 x 2.5" HDD drive bay 1 x mSATA
Watchdog Timer	255 levels, 1 ~ 255sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255sec.
Power Supply	12 VDC	90 ~ 264 VAC adapter 60W	90 ~ 264 VAC adapter 36W
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) (with W.T. SSD & DRAM)	-40°C ~ +60°C (-40°F ~ +140°F) (with W.T. SSD)	-20°C ~ +60°C (-4°F ~ +140°F) by E3826 -20°C ~ +50°C (-4°F ~ +122°F) by J1900 (with W.T. SSD & DRAM)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")	200 x 120 x 56 mm (7.87" x 4.72" x 2.2")	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")
Weight (net/gross)	1.1 kg (2.43 lb)/1.8 kg (3.97 lb)	2 kg (4.41 lb)/2.7 kg (5.95 lb)	1.1 kg (2.43 lb)/1.8 kg (3.97 lb)
Certificate	CE, FCC	CE	CE
EOS Support	Win 10 IoT	WEBS, WE7, Win CE, Linux	WEBS, WE7, Win CE, Linux



Features/Models	eBOX625-842-FL	eBOX626-841-FL	eBOX626-842-FL
CPU Level	Intel® Celeron® J1900 2.0 GHz	Intel® Atom™ E3826 1.46 GHz	Intel® Celeron® J1900 2.0 GHz
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	2 x RS-232/422/485 (COM 1/2)	2 x RS-232/422/485 (COM 1/2) 1 x RS-232 (COM 3)	2 x RS-232/422/485 (COM 1/2) 1 x RS-232 (COM 3)
Display	1 x VGA 1 x HDMI	1 x VGA 1 x HDMI	1 x VGA 1 x HDMI
Audio	Yes	Yes	Yes
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
Expansion Interface	1 x full-size PCI Express Mini Card 1 x half-size PCI Express Mini Card	1 x full-size PCI Express Mini Card 1 x half-size PCI Express Mini Card	1 x full-size PCI Express Mini Card 1 x half-size PCI Express Mini Card
Storage	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD drive bay 1 x mSATA
Watchdog Timer	255 levels, 1 ~ 255sec.	255 levels, 1 ~ 255sec.	255 levels, 1 ~ 255sec.
Power Supply	90 ~ 264 VAC adapter 36W	10 ~ 34 VDC 42.5W	10 ~ 34 VDC 42.5W
Operating Temperature	-20°C ~ +60°C (-4°F ~ +140°F) by E3826 -20°C ~ +50°C (-4°F ~ +122°F) by J1900 (with W.T. SSD & DRAM)	-20°C ~ +60°C (-4°F ~ +140°F) by E3826 -20°C ~ +50°C (-4°F ~ +122°F) by J1900 (with W.T. SSD & DRAM)	-20°C ~ +60°C (-4°F ~ +140°F) by E3826 -20°C ~ +50°C (-4°F ~ +122°F) by J1900 (with W.T. SSD & DRAM)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")
Weight (net/gross)	1.1 kg (2.43 lb)/1.8 kg (3.97 lb)	1.1kg (2.43 lb)/1.8 kg (3.97 lb)	1.1kg (2.43 lb)/1.8 kg (3.97 lb)
Certificate	CE	CE	CE
EOS Support	WE8S, WE57, Win CE, Linux	WE8S, WE57	WE8S, WE57

Embedded Systems



Features/Models	eBOX625-853-FL	eBOX626-853-FL	eBOX627-311-FL
CPU Level	Intel® Celeron® N3160 2.24 GHz	Intel® Celeron® N3160 2.24 GHz	Intel® Atom™ x5-E3940 1.8 GHz
System Memory	1 x 204-pin DDR3L-1333/1600 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333/1600 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	1 x RS-232/422/485 (COM 1) 3 x RS-232 (COM 2 ~ 4)	1 x RS-232/422/485 (COM 1) 3 x RS-232 (COM 2 ~ 4)	2 x RS-232/422/485 2 x RS-232
Display	1 x VGA 1 x HDMI	1 x VGA 1 x HDMI	1 x VGA 1 x HDMI
Audio	Yes	Yes	Yes
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	3 x USB 3.0 1 x USB 2.0	3 x USB 3.0 1 x USB 2.0	4 x USB 3.0
Expansion Interface	2 x full-size PCI Express Mini Card 1 x SIM slot	2 x full-size PCI Express Mini Card 1 x SIM slot	2 x full-size PCI Express Mini Card 1 x SIM slot
Storage	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD drive bay 1 x mSATA
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	90 ~ 264 VAC adapter 36W	9 ~ 36 VDC	10 ~ 34 VDC 42.5W
Operating Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (with W.T. SSD & DRAM)	-20°C ~ +60°C (-4°F ~ +140°F) (with W.T. SSD & DRAM)	-40°C ~ +60°C (-40°F ~ +140°F) (with W.T. SSD & DRAM)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")	200 x 120 x 46 mm (7.87" x 4.72" x 1.81")	TBC
Weight (net/gross)	1.2 kg (2.65 lb)/1.9 kg (4.19 lb)	1.1 kg (2.43 lb)/1.8 kg (3.97 lb)	TBC
Certificate	CE	CE	CE, FCC
EOS Support	Win 10 IoT	Win 10 IoT, WE8S, WE7S, Linux	Win10 IoT WE8S



Features/Models	eBOX635-881-FL	eBOX730-860-FL	eBOX660-872-FL
CPU Level	LGA1150 4th gen Intel® Core™ i7/i5/i3 & Celeron®	Socket G2 Intel® Core™ i7/i3 & Celeron®	Socket G2 3rd gen i7/i5/i3 & Celeron®
System Memory	1 x 204-pin DDR3-1333/1600 SO-DIMM, up to 8GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB
Chipset	Intel® H81	Intel® QM67	Intel® HM76
Serial	6 x RS-232/422/485 (COM 1 ~ 6)	8 x RS-232/422/485 (COM 1 ~ 8)	4 x RS-232/422/485 (COM 1 ~ 4)
Display	2 x HDMI 1 x VGA 1 x DisplayPort	1 x DVI-I 2 x DisplayPort	1 x VGA 1 x DisplayPort
Audio	Yes	Yes	1 x Audio (Mic-in/Line-out)
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	4 x 10/100/1000 Mbps Ethernet
USB	2 x USB 3.0 4 x USB 2.0	2 x USB 3.0 4 x USB 2.0	4 x USB 3.0
Expansion Interface	2 x full-size PCI Express Mini Card (USB+PCIe) 1 x SIM slot	2 x full-size PCI Express Mini Card (USB+PCIe) 2 x SIM slots	2 x full-size PCI Express Mini Card (USB+PCIe) 2 x SIM slots
Storage	1 x 2.5" HDD drive bay 1 x CFast™ 1 x mSATA	1 x 2.5" HDD drive bay 1 x CFast™	1 x 2.5" HDD drive bay 1 x CFast™ 1 x mSATA
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	19/12 VDC input	10 ~ 35 VDC	10 ~ 30 VDC
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD)	-20°C ~ +70°C (-4°F ~ +176°F) (with W.T. SSD)	-40°C ~ +70°C (-4°F ~ +176°F) (with W.T. SSD, CPU TDP 45 W)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	N/A	Yes
Dimensions (W x D x H)	280 x 150 x 67 mm (11.02" x 5.91" x 2.64")	250 x 150 x 60 mm (9.84" x 5.9" x 2.36")	280 x 190 x 70 mm (11.02" x 7.48" x 2.75")
Weight (net/gross)	2.5 kg (5.51 lb)/4.5 kg (9.92 lb)	3.8 kg (8.37 lb)/4.6 kg (10.14 lb)	3.8 kg (8.37 lb)/4.6 kg (10.14 lb)
Certificate	CE	CE	CE
EOS Support	WEBS, WES7, Linux	WEBS, WES7, Linux	WEBS, WES7, Linux

Embedded Systems



Features/Models	eBOX660-872-FL-DH	eBOX670-883-FL	eBOX670-891-FL
CPU Level	Socket G2 3rd gen Intel® Core™ i7/i5/i3 & Celeron®	LGA1150 4th gen Intel® Core™ i7/i5/i3 & Celeron®	LGA1151 6th/7th gen Intel® Core™ i7/i5/i3 & Celeron®
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 260-pin DDR4-2133 SO-DIMM, up to 32GB
Chipset	Intel® HM76	Intel® Q87	Intel® Q170
Serial	4 x RS-232/422/485 (COM 1 ~ 4)	6 x RS-232/422/485 (COM 1 ~ 6)	4 x RS-232/422/485 (COM 1 ~ 4)
Display	1 x VGA 1 x DisplayPort	2 x HDMI 1 x VGA 1 x DisplayPort	2 x HDMI 1 x DisplayPort
Audio	2 x Audio (Mic-in/Line-out)	Yes	Yes
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	4 x 10/100/1000 Mbps Ethernet	4 x 10/100/1000 Mbps Ethernet	4 x 10/100/1000 Mbps Ethernet
USB	4 x USB 3.0 4 x USB 2.0	6 x USB 3.0	6 x USB 3.0 2 x USB 2.0
Expansion Interface	2 x full-size PCI Express Mini Card (USB+PCIe) 2 x SIM slots	2 x full-size PCI Express Mini Cardd (USB+PCIe) 1 x SIM slot	2 x full-size PCI Express Mini Card (USB+PCIe) 1 x SIM slot
Storage	2 x 2.5" HDD drive bay 1 x CFast™ 1 x mSATA	2 x 2.5" HDD drive bay 1 x CFast™ 1 x mSATA	2 x 2.5" HDD drive bay 1 x CFast™ 1 x mSATA
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	10 ~ 30 VDC	9 ~ 36 VDC	9 ~ 36 VDC
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F) (with W.T. SSD, CPU TDP 35 W)	-40°C ~ +55°C (-40°F ~ +131°F) (with W.T. SSD)	-40°C ~ +60°C (-40°F ~ +140°F) (with W.T. SSD & DRAM, CPU TDP 35 W)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	N/A	Yes
Dimensions (W x D x H)	280 x 190 x 70 mm (11.02" x 7.48" x 2.75")	280 x 190 x 70 mm (11.02" x 7.48" x 2.75")	280 x 190 x 70 mm (11.02" x 7.48" x 2.75")
Weight (net/gross)	4.31 kg (9.5 lb)/3.2 kg (7.05 lb)	3.8 kg (8.37 lb)/4.6 kg (10.14 lb)	3.8 kg (8.37 lb)/4.6 kg (10.14 lb)
Certificate	CE	CE	CE
EOS Support	WES8, WES7, Linux	WES8, WES7, Linux	Win 10 IoT, WES8, WES7 & Linux



Features/Models	eBOX671-885-FL	eBOX671-885-FL-ECM	eBOX700-891-FL
CPU Level	LGA1150 Socket 4th gen Intel® Core™ i7/i5/i3 & Celeron®	LGA1150 Socket 4th gen Intel® Core™ i7/i5/i3 & Celeron®	LGA1151 6th/7th Gen Intel® Core™ i7/i5/i3 & Celeron®
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 260-pin DDR4-2133 SO-DIMM max. up to 32GB
Chipset	Intel® Q87	Intel® Q87	Intel® H110
Serial	2 x RS-232/422/485 (COM 1/2) 2 x RS-232 (COM 3/4)	2 x RS-232/422/485 (COM 1/2) 2 x RS-232 (COM 3/4)	2 x RS-232/422/485 (COM 1/2)
Display	1 x DVI-I 1 x HDMI 1 x DisplayPort	1 x DVI-I 1 x HDMI 1 x DisplayPort	2 x HDMI 1 x DisplayPort
Audio	Yes	Yes	Yes
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet 4 x 10/100/1000 Mbps Power over Ethernet, PoE 30W	1 x EtherCAT port 1 x GbE LAN port 4 x 10/100/1000 Mbps Power over Ethernet, PoE 30W	4 x 10/100/1000 Mbps Ethernet
USB	6 x USB 3.0 2 x USB 2.0	6 x USB 3.0 2 x USB 2.0	2 x USB 2.0 4 x USB 3.0
Expansion Interface	2 x full-size PCI Express Mini Card (USB+PCIe) 1 x SIM slot	2 x full-size PCI Express Mini Card (USB+PCIe) 1 x SIM slot	2 x full-size PCI Express Mini Card (USB+PCIe) 1 x SIM slot
Storage	2 x 2.5" HDD drive bay 1 x CFast™ 2 x mSATA	2 x 2.5" HDD drive bay 1 x CFast™ 2 x mSATA	1 x 2.5" HDD drive bay 1 x mSATA
Watchdog Timer	255 levels, 1 ~ 255sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	24 VDC	24 VDC	9 ~ 36 VDC
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD & DRAM, CPU TDP 35 W)	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD & DRAM, CPU TDP 35 W)	-40°C ~ +50°C (-4°F ~ +122°F) (with W.T. SSD & DRAM, CPU TDP 35 W)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	280 x 190 x 70 mm (11.02" x 7.48" x 2.76")	280 x 190 x 70 mm (11.02" x 7.48" x 2.76")	280 x 190 x 100 mm (11.02" x 7.48" x 3.93")
Weight (net/gross)	4.31 kg (9.5 lb)/ 5.1 kg (11.24 lb)	4.31 kg (9.5 lb)/ 5.1 kg (11.24 lb)	3.8 kg (8.37 lb)/ 4.6 kg (10.14 lb)
Certificate	CE	CE	CE, FCC
EOS Support	WEBS, WES7, Linux	WEBS, WES7, Linux	Win 10 IoT, WEBS, Linux

Embedded Systems



Features/Models	eBOX640-500-FL	eBOX640-860-FL	eBOX620-110-FL
CPU Level	LGA1151 6th/7th gen Intel® Core™ i7/i5/i3 & Celeron®	Socket G2 Intel® Core™ i7/i5/i3 & Celeron®	AMD G-Series APU T56N 1.65 GHz
System Memory	2 x 288-pin DDR4-2133 SO-DIMM, up to 32GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	1 x 204-pin DDR3-1066/1333 SO-DIMM, up to 4GB
Chipset	Intel® H110	Intel® QM67	AMD A50M FCH
Serial	1 x RS-232/422/485 3 x RS-232	4 x RS-232 (COM 1 ~ 4)	3 x RS-232 (COM 2 ~ 4) 1 x RS-232/422/485 (COM 1)
Display	1 x DisplayPort 1 x HDMI 1 x VGA	1 x VGA 1 x DisplayPort 1 x HDMI	1 x VGA 1 x DisplayPort
Audio	Yes	Yes	Yes
LPT	N/A	N/A	N/A
PS/2	N/A	Yes	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	4 x USB 3.0 2 x USB 2.0	6 x USB 2.0	6 x USB 2.0
Expansion Interface	1 x full-size PCI Express Mini Card (USB+PCIe) 1 x SIM slot	1 x full-size PCI Express Mini Card (USB+PCIe)	1 x full-size PCI Express Mini Card (USB+PCIe)
Storage	2 x 2.5" HDD drive bay 1 x mSATA	2 x 2.5" HDD drive bay 1 x CFast™	1 x 2.5" HDD drive bay 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	10 ~ 30 VDC	10 ~ 30 VDC 150W ATX	90 ~ 264 VAC adapter 60W
Operating Temperature	-10°C ~ +55°C (14°F ~ +131°F) (with W.T. HDD)	-5°C ~ +50°C (23°F ~ +122°F) (with W.T. HDD)	-10°C ~ +45°C (14°F ~ +113°F) (with W.T. HDD)
Wall Mount	Yes	Yes	Yes
DIN-rail	N/A	N/A	Yes
Dimensions (W x D x H)	182 x 237 x 82 mm (7.16" x 9.27" x 3.23")	193 x 231 x 111 mm (7.6" x 9.09" x 4.37")	200 x 120 x 56 mm (7.87" x 4.72" x 2.2")
Weight (net/gross)	3 kg (6.61 lb)/3.6 kg (7.94 lb)	3.8 kg (8.38 lb)/4.5 kg (9.92 lb)	1.8 kg (3.97 lb)/2.6 kg (5.73 lb)
Certificate	CE, FCC	CE	CE
EOS Support	Win 10 IoT, WE8S, WES7	WES7	WES7, WES, XPE, Linux



Features/Models	eBOX630-100-FL	eBOX646-FL	eBOX745-FL500
CPU Level	AMD G-Series APU T56N 1.65 GHz	AMD LX800 500 MHz	AMD Geode LX800 500 MHz
System Memory	1 x 204-pin DDR3-1066/1333 SO-DIMM, up to 4GB	1 x 200-pin DDR SO-DIMM up to 1GB	1 x 200-pin DDR SO-DIMM, up to 1GB
Chipset	AMD A50M	AMD LX800 + CS5536	AMD LX800 + CS5536
Serial	3 x RS-232 (COM 2 ~ 4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2 ~ 4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2 ~ 4) 1 x RS-232/422/485 (COM 1)
Display	1 x VGA 2 x DisplayPort	1 x VGA	1 x VGA
Audio	Yes	Yes	N/A
LPT	N/A	Yes	Yes
PS/2	N/A	Yes	Yes
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100 Mbps Ethernet	2 x 10/100 Mbps Ethernet
USB	6 x USB 2.0	3 x USB 2.0	3 x USB 2.0
Expansion Interface	2 x full-size PCI Express Mini Card (USB+PCIe) 1 x SIM slot	N/A	N/A
Storage	1 x 2.5" HDD drive bay 1 x CFast™	1 x CompactFlash™	1 x 2.5" HDD drive bay 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	96 ~ 264 VAC adapter 60 W	90 ~ 264 VAC adapter 20W	85 ~ 270 VAC 72W AT 18 ~ 36 VDC 72W AT
Operating Temperature	-10°C ~ +55°C (14°F ~ +131°F) (with W.T. HDD)	-10°C ~ +50°C (+14°F ~ 122°F) (with W.T. CF)	-20°C ~ +50°C (-4°F ~ +122°F) (with W.T. HDD)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	N/A	Yes
Dimensions (W x D x H)	280 x 150 x 67 mm (2.64" x 11.02" x 5.91")	200 x 150 x 44 mm (7.8" x 5.9" x 1.73")	225 x 225 x 51 mm (8.86" x 8.86" x 2.01")
Weight (net/gross)	2.5 kg (5.51 lb)/4.5 kg (9.92 lb)	1.3 kg (2.86 lb)/1.8 kg (3.97 lb)	2.15 kg (4.74 lb)/2.9 kg (6.39 lb)
Certificate	CE	CE	CE
EOS Support	WEBS, WES7, XPE, Linux	WES, XPE, Win CE, Linux	WES, XPE, Win CE, Linux

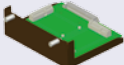
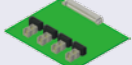
Embedded Systems



Features/Models	eBOX639-830-FL	eBOX638-840-FL	eBOX800-841-FL
CPU Level	Intel® Atom™ D2550 1.86 GHz	Intel® Celeron® Quad-Core J1900 2.0 GHz	Intel® Atom™ E3845 1.91 GHz
System Memory	1 x 204-pin DDR3-1066 SO-DIMM, up to 4GB	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB
Chipset	Intel® NM10	SoC integrated	SoC integrated
Serial	4 x RS-232	6 x RS-232	2 x RS-232/422/485 (COM 1/2), M12 type
Display	1 x VGA 1 x HDMI	1 x VGA 1 x HDMI	1 x VGA
Audio	Yes	Yes	N/A
LPT	Yes	N/A	N/A
PS/2	Yes	Yes	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet, M12 type
USB	6 x USB 2.0	1 x Internal USB 3.0 4 x USB 2.0	2 x USB 2.0, M12 type
Expansion Interface	1 x full-size PCI Express Mini Card (USB+PCIe) 2 x PCI	1 x full-size PCI Express Mini Card 2 x PCI or PCIe x1	2 x full-size PCI Express Mini Card 1 x SIM slot
Storage	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD drive bay 1 x mSATA	1 x 2.5" HDD 1 x CFast™ 1 x mSATA
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255sec.	255 levels, 1 ~ 255 sec.
Power Supply	16 ~ 28 VDC 107W ATX	16 ~ 28 VDC 72W	9 ~ 36 VDC, M12 type
Operating Temperature	-10°C ~ +50°C (+14°F ~ 122°F) (with W.T. SSD)	-10°C ~ +55°C (14°F ~ +131°F) (with W.T. SSD & DRAM)	-30°C ~ +60°C (-22°F ~ +140°F) (with W.T. SSD & DRAM)
Wall Mount	Yes	Yes	Yes
DIN-rail	N/A	N/A	N/A
Dimensions (W x D x H)	192 x 230 x 115.8 mm (7.48" x 9.05" x 4.56")	192 x 230 x 230 mm (7.48" x 9.05" x 5.14")	210 x 366.83 x 83 mm (8.27" x 14.44" x 3.27")
Weight (net/gross)	4.1 kg (9.03 lb)/4.8 kg (10.58 lb)	4.1kg (9.03 lb)/4.8 kg (10.58 lb)	4.15 kg (9.14 lb)/4.8 kg (10.58 lb)
Certificate	CE	CE	CE
EOS Support	WES7, Linux	WE8S, WES7, Linux	Win 10 IoT, WE8S, WES7

Transportation Embedded Systems



Features/Models	tBOX300-510-FL		tBOX500-510-FL	
CPU Level	7th Gen. Intel® Core™ i7-7600U 2C@2.8 ~ 3.9 GHz 7th Gen. Intel® Core™ i5-7300U 2C@2.6 ~ 3.5 GHz 7th Gen. Intel® Core™ i3-7100U 2C@2.4 GHz Intel® Celeron™ 3965U 2C@2.2 GHz		7th Gen. Intel® Core™ i7-7600U 2C@2.8 ~ 3.9GHz 7th Gen. Intel® Core™ i5-7300U 2C@2.6 ~ 3.5GHz 7th Gen. Intel® Core™ i3-7100U 2C@2.4 GHz Intel® Celeron™ 3965U 2C@2.2 GHz	
System Memory	2 x DDR4 SO-DIMM slot, up to 32GB		2 x DDR4 SO-DIMM slot, up to 32GB	
Chipset	N/A		N/A	
Serial	1 x RS-232/422/485		1 x RS-232/422/485	
CAN bus	N/A (optional by module)		N/A (optional by module)	
Display	1 x DVI-I		1 x DVI-I	
Audio	2 x Audio (Mic-in/Line-out)		2 x Audio (Mic-in/Line-out)	
Ethernet	1 x GbE LAN (RJ-45)		1 x GbE LAN (RJ-45)	
USB	4 x USB 3.0		4 x USB 3.0	
DIO	N/A		N/A	
Expansion Interface	3 x mini PCIe Mini Card 2 x SIM card socket 1 x External PoE PSU, 120W		3 x mini PCIe Mini Card 2 x SIM card socket 1 x External PoE PSU, 120W	
Storage	4 x 2.5" SATA HDD/SSD (Hot swappable) Marvell H/W RAID 0/1/10 1 x mSATA		2 x 2.5" SATA HDD/SSD (Hot swappable) RAID 0/1 1 x mSATA	
I/O Module	1 x optional I/O module slot		2 x optional I/O module slot	
I/O Module Specification	4 x M12 A-coded Gb Ethernet (PoE is optional)	4 x RJ-45 PoE Gb Ethernet (PoE is optional)	4 x isolated RS-232/422/485	4 x isolated CANbus 2.0A/B
				
	8-in/8-out isolated DIO	2 x mini PCIe card slot with 2 x SIM card socket	4 x video-in & audio-in with Mini PCIe card	4 x SATA and H/W RAID 0/1/10
				
Watchdog Timer	255 levels, 0 ~ 255 sec./min.		255 levels, 0 ~ 255 sec./min.	
Power Supply (Optional)	9 ~ 36VDC, typical: 12/24VDC 14 ~ 32VDC, typical: 24VDC 77 ~ 137.5VDC, typical: 110VDC 14 ~ 137.5VDC, typical: 24/48/72/96/110VDC		9 ~ 36VDC, typical: 12/24VDC 14 ~ 32VDC, typical: 24VDC 77 ~ 137.5VDC, typical: 110VDC 14 ~ 137.5VDC, typical: 24/48/72/96/110VDC	
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)		-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	
Vibration Endurance	5 Grms w/ SSD; 2 Grms w/ HDD		5 Grms w/ SSD; 2 Grms w/ HDD	
Wall Mount	Yes		Yes	
DIN-rail	Yes		Yes	
Dimensions	TBD		TBD	
Weight (net/gross)	TBD		TBD	
Certificates	CE, FCC, E-Mark, ISO 7637-2, EN 50155, EN 50121, EN 45545-2, DNV 2.4 and IEC 60945 certified		CE, FCC, E-Mark, ISO 7637-2, EN 50155, EN 50121, EN 45545-2, DNV 2.4 and IEC 60945 certified	
EOS Support	Windows® 10, Linux		Windows® 10, Linux	

Transportation Embedded Systems



Features/Models	tBOX100-838-FL	tBOX810-838-FL	tBOX324-894-FL
CPU Level	Intel® Atom™ E3845 4C@1.91 GHz	Intel® Atom™ E3845 4C@1.91 GHz Intel® Atom™ E3827 2C@1.75 GHz	Intel® Core™ i7-7600U 2C@2.8 ~ 3.9 GHz Intel® Core™ i5-7300U 2C@2.6 ~ 3.5 GHz Intel® Core™ i3-7100U 2C@2.4 GHz Intel® Celeron® 3965U 2C@2.2 GHz
System Memory	DDR3L-1333 4GB DRAM	DDR3L-1333 4GB DRAM	2 x DDR4-1866/2133 SO-DIMM slot up to 32G
Chipset	N/A	N/A	N/A
Serial	1 x RS-232/422/485	2 x RS-232/422/485	4 x isolated RS-232/422/485 (3 x COM+ 1 x CAN bus optional)
CAN bus	N/A (optional by module)	N/A (optional by module)	1 x isolated CAN Bus (optional)
Display	1 x VGA	1 x VGA	1 x VGA 1 x DVI-I
Audio	N/A	3 x Audio (optional by module)	2 x Audio (Mic-in/Line-out)
PS/2	N/A	N/A	N/A
Ethernet	2 x GbE LAN (M12 A-coded/RJ-45 optional)	2 x GbE LAN (M12 A-coded/RJ-45 optional)	4 x GbE LAN (M12 A-coded/RJ-45 optional)
USB	2 x USB 2.0	2 x USB 2.0	4 x USB 3.0
DIO	N/A	1 x 8-bit DB9 programmable DIO	1 x isolated DIO (4-IN & 4-OUT)
Expansion Interface	1 x full-size PCIe Mini Card slot 1 x SIM card socket	2 x full-size PCIe Mini Card slot 1 x SIM card socket	3 x full-size PCIe Mini Card slot 1 x SIM card socket
Storage	1 x 2.5" SATA HDD/SSD 1 x mSATA	1 x 2.5" SATA HDD/SSD 1 x mSATA	2 x 2.5" SATA HDD/SSD RAID 0/1 1 x CFast™
Watchdog Timer	255 levels, 0 ~ 255 secs./mins.	255 levels, 0 ~ 255 secs./mins.	255 levels, 0 ~ 255 secs./mins.
Power Supply	9 ~ 36 VDC Typical 12/24 VDC	9 ~ 36 VDC Typical 12/24 VDC	9 ~ 36 VDC, typical: 12/24 VDC (E-Mark) 14 ~ 32 VDC, typical: 24 VDC (EN 50155, DNV 2.4) 77 ~ 137.5 VDC, typical: 110 VDC (EN 50155)
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) (with W.T.SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)
Extended Temperature Sorting	N/A	N/A	N/A
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions	163.8 x 108 x 44 mm (6.44" x 4.25" x 1.73")	163.8 x 108 x 44 mm (6.44" x 4.25" x 1.73")	288.5 x 211.3 x 85.75 mm (11.36" x 8.32" x 3.38")
Weight (net/gross)	0.77 kg (1.69 lb)/1.40 kg (3.09 lb)	0.77 kg (1.69 lb)/1.25kg (2.76 lb)	5 kg (11 lb)/6.5 kg (14.33 lb)
Certificates	CE (Class A), E-Mark, ISO 7637 certified EN 50155, EN 50121, DNV 2.4 and IEC 60945 compliance	CE (Class A), EN 50155, EN 50121, E-Mark, ISO 7637, IEC 60945 and DNV 2.4 certified	CE (Class A), FCC, EN 50155, EN 50121, E-Mark, ISO 7637, DNV 2.4 certified EN 45545-2 and IEC 60945 compliant
EOS Support	Windows® 10, WEBS, WES 7, Linux, VxWorks 7	Windows® 10, WEBS, WES 7, Linux, VxWorks 7	Windows® 10 64-bit, Linux



Features/Models	tBOX323-835-FL	tBOX322-882-FL	tBOX321-870-FL
CPU Level	Intel® Atom™ E3845 4C@1.91 GHz	Intel® Core™ i7-4650U 4C@1.7 GHz, up to 3.3 GHz/ Intel® Core™ i3-4010U 2C@1.7 GHz	Intel® Core™ i7-3517UE 4C@1.7 GHz, up to 2.8 GHz/ Intel® Core™ i3-3217UE 2C@1.6 GHz
System Memory	DDR3L-1333 4GB DRAM	DDR3L-1600 4GB/8GB DRAM	DDR3-1600 4GB DRAM
Chipset	N/A	N/A	Intel® QM77
Serial	1 x RS-232 4 x isolated RS-232/422/485	2 x isolated RS-232/422/485	4 x isolated RS-232/422/485
CAN bus	N/A	N/A	N/A
Display	1 x VGA 1 x HDMI	1 x DVI-I 1 x HDMI	1 x VGA 1 x DVI-D
Audio	Yes (2 x screw-type conn.)	Yes (2 x M12 and screw-type conn.)	Yes (2 x M12 and screw-type conn.)
PS/2	N/A	N/A	N/A
Ethernet	2 x GbE LAN (8-pin M12 female A-coded)	2 x GbE LAN (8-pin M12 female A-coded)	4 x GbE LAN (8-pin M12 female A-coded)
USB	2 x USB 2.0	2 x USB 3.0 1 x USB 2.0 (M12 conn.)	2 x USB 3.0 1 x USB 2.0 (M12 conn.)
DIO	1 x isolated DIO (6-IN & 2-OUT)	1 x isolated DIO (6-IN & 2-OUT)	1 x isolated DIO (4-IN & 4-OUT)
Expansion Interface	3 x PCIe Mini Card slot 2 x SIM card sockets	3 x PCIe Mini Card slot 2 x SIM card sockets	3 x PCIe Mini Card slot 1 x SIM card sockets
Storage	1 x 2.5" SATA HDD/SSD 1 x CFast™/1 x mSATA	1 x 2.5" SATA HDD/SSD 1 x CFast™/1 x mSATA	2 x 2.5" SATA HDD/SSD 1 x CFast™
Watchdog Timer	255 levels, 0 ~ 255 secs./mins.	255 levels, 0 ~ 255 secs./mins.	255 levels, 0 ~ 255 secs./mins.
Power Supply	12 ~ 32 VDC, typical 24 VDC 77 ~ 137.5 VDC, typical 110 VDC	14 ~ 32 VDC Typical 24 VDC	14 ~ 32 VDC, typical 24 VDC 77 ~ 137.5 VDC, typical 110 VDC
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)
Extended Temperature Sorting	N/A	N/A	N/A
Wall Mount	Yes	Yes	Yes
DIN-rail	N/A	N/A	N/A
Dimensions	244 x 180.5 x 65.1 mm (9.6" x 7.11" x 2.56")	244 x 180.5 x 65.1 mm (9.6" x 7.11" x 2.56")	288.5 x 211.3 x 85.75 mm (11.36" x 8.32" x 3.38")
Weight (net/gross)	3 kg (6.61 lb)/3.8 kg (8.38 lb)	2.94 kg (6.48 lb)/3.94 kg (8.68 lb)	5.5 kg (12.12 lb)/6.5 kg (14.33 lb)
Certificate	CE, EN 50155, EN 50121 certified EN 45545, EN 60950 compliance	CE, EN 50155, EN 50121 certified EN 45545, EN 60950 compliance	CE, EN 50155, EN 50121 certified EN 45545, EN 60950 compliance
EOS Support	Windows® 10, WEBS, WES 7, Linux	WEBS, WES 7, Linux	WEBS, WES 7, Linux

Transportation Embedded Systems



Features/Models	tBOX313-835-FL	tBOX312-870-FL	tBOX330-870-FL
CPU Level	Intel® Atom™ E3845 4C@1.91 GHz	Intel® Core™ i7-3517UE 4C@1.7 GHz, up to 2.8 GHz/ Intel® Core™ i3-3217UE 2C@1.6 GHz	Intel® Core™ i7-3517UE 4C@1.7 GHz, up to 2.8 GHz/ Intel® Core™ i3-3217UE 2C@1.6 GHz
System Memory	DDR3L-1333 4GB DRAM	DDR3-1600 4GB DRAM	DDR3-1600 4GB DRAM
Chipset	N/A	Intel® QM77	Intel® QM77
Serial	1 x RS-232 4 x isolated RS-232/422/485	3 x isolated RS-232/422/485	3 x isolated RS-232/422/485
CAN bus	1 x isolated CAN Bus	1 x isolated CAN Bus	1 x isolated CAN Bus
Display	1 x VGA 1 x HDMI	1 x VGA 1 x DVI-D	1 x VGA 1 x DVI-D
Audio	Yes (2 x screw-type conn.)	Yes (2 x screw-type conn.)	Yes (2 x screw-type conn.)
PS/2	N/A	N/A	N/A
Ethernet	2 x GbE LAN (M12-type A-coded/RJ-45)	4 x GbE LAN (IEEE 802.3 at PoE, Max. 30W)	4 x GbE LAN
USB	2 x USB 2.0	2 x USB 3.0 2 x USB 2.0	2 x USB 3.0 2 x USB 2.0
DIO	1 x isolated DIO (6-IN & 2-OUT)	1 x isolated DIO (4-IN & 4-OUT)	1 x isolated DIO (4-IN & 4-OUT)
Expansion Interface	3 x PCIe Mini Card slot 2 x SIM card sockets	3 x PCIe Mini Card slot 1 x SIM card socket	3 x PCIe Mini Card slot 1 x SIM card socket
Storage	1 x 2.5" SATA HDD/SSD 1 x CFast™/1 x mSATA	2 x 2.5" SATA HDD/SSD 1 x CFast™	2 x 2.5" SATA HDD/SSD 1 x CFast™
Watchdog Timer	255 levels, 0 ~ 255 secs./mins.	255 levels, 0 ~ 255 secs./mins.	255 levels, 0 ~ 255 secs./mins.
Power Supply	9 ~ 36 VDC Typical 12/24 VDC	9 ~ 36 VDC Typical 12/24 VDC	14 ~ 32 VDC Typical 24 VDC
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)
Extended Temperature Sorting	N/A	N/A	N/A
Wall Mount	Yes	Yes	Yes
DIN-rail	N/A	N/A	N/A
Dimensions	244 x 180.5 x 65.1 mm (9.6" x 7.11" x 2.56")	288.5 x 211.3 x 85.75 mm (11.36" x 8.32" x 3.38")	288.5 x 211.3 x 85.75 mm (11.36" x 8.32" x 3.38")
Weight (net/gross)	3 kg (6.61 lb)/4 kg (8.82 lb)	5.5 kg (12.12 lb)/6.5 kg (14.33 lb)	5.5 kg (12.12 lb)/6.5 kg (14.33 lb)
Certificates	CE, E-Mark, ISO 7637 certified	CE, E-mark, ISO 7637 certified, EN60950 compliance	CE (Class A), IEC60945 certificate EN45545-2 compliance
EOS Support	Windows® 10, WEBS, WES 7, Linux	WEBS, WES 7, Linux	WEBS, WES 7, Linux

Embedded Field Controllers



Features/Models	rBOX800	rBOX200	rBOX201-4COM
CPU Level	Intel® Atom™ E3827	AMD LX800	AMD LX800
System Memory	DDR3 4GB onboard	1 x DDR-400 SO-DIMM, up to 1GB	1 x DDR-400 SO-DIMM, up to 1GB
Chipset	SoC integrated	AMD CS5536AF	AMD CS5536AF
Serial	2 x RS-232/422/485 (COM 1/2)	2 x RS-232/422/485 (COM1/2)	4 x Isolated RS-232/422/485 (COM 1 ~ 4)
CAN Bus	N/A	N/A	N/A
Display	1 x VGA	1 x VGA	1 x VGA
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100 Mbps Ethernet	2 x 10/100 Mbps Ethernet
PoE	N/A	N/A	N/A
DIO	N/A	1 x Isolated DIO (8-IN/8-OUT)	N/A
USB	1 x USB 3.0 1 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Storage	1 x Micro SD Card 1 x mSATA	1 x CompactFlash™	1 x CompactFlash™
Watchdog Timer	1 WDTWDT 1: 1 sec./min., 256 levels	2 WDT WDT 1: 1 sec./min., 255 levels WDT 2: 250 ms, 255 levels	2 WDT WDT 1: 1 sec./min., 255 levels WDT 2: 250 ms, 255 levels
Power Input	12 ~ 48 VDC	2 power paths 12 ~ 48 VDC (terminal block)	2 power paths 12 ~ 48 VDC (terminal block)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)
Dimensions	94 x 93 x 110 mm (3.70" x 3.66" x 4.33")	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")
Weight (net/gross)	1.89 kg	1.38 kg (3 lb)/1.72 kg (3.78 lb)	1.38 kg (3 lb)/1.72 kg (3.78 lb)
Certificate	CE, FCC	Heavy Industrial CE	N/A
Compliance	TBD	UL 508, UL/cUL 60950-1, IEC 60068, FCC Part 18	UL 508, Heavy Industrial CE, FCC Part 18, UL/cUL 60950-1, IEC 60068, EN 50121-4
EOS Support	Windows® 7 Embedded, Windows® 8 Embedded, Windows® 8, Windows® 10, Linux support package	XPE, WinCE, Linux Support Package	XPE, WinCE, Linux Support Package
AXView Monitoring Software Package Supported	N/A	Yes	Yes

Embedded Field Controllers



Features/Models	rBOX201-6COM	rBOX204	rBOX310-4COM
CPU Level	AMD LX800	AMD LX800	Intel® Atom™ N2800 1.86 GHz
System Memory	1 x DDR-400 SO-DIMM, up to 1GB	1 x DDR-400 SO-DIMM, up to 1GB	1 x DDR3-800/1066 SO-DIMM, up to 4GB
Chipset	AMD CS5536AF	AMD CS5536AF	Intel® NM10
Serial	6 x Isolated RS-232/422/485 (COM 1 ~ 6)	2 x RS-232/422/485 (COM 1/2)	4 x RS-232/422/485 (COM 1 ~ 4)
CAN Bus	N/A	N/A	N/A
Display	1 x VGA	1 x VGA	1 x VGA
Ethernet	2 x 10/100 Mbps Ethernet	1 x 10/100 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
PoE	N/A	4 x PoE (IEEE 802.3af)	N/A
DIO	1 x Isolated DIO (4-IN/4-OUT)	N/A	N/A
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Storage	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™ 1 x 2.5" SATA drive
Watchdog Timer	2 WDT WDT 1: 1sec./min., 255 levels WDT 2: 250 ms, 255 levels	2 WDT WDT 1: 1 sec./min., 255 levels WDT 2: 250 ms, 255 levels	2 WDT WDT 1: 1 secs./mins., 255 levels WDT 2: 250 ms, 255 levels
Power Input	2 power paths 12 ~ 48 VDC (terminal block)	2 power paths 48 VDC (terminal block)	2 power paths 12 ~ 48 VDC (terminal block)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)
Dimensions	100.6 x 110 x 135 mm (3.96" x 4.33" x 5.31")	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")	100.6 x 110 x 135 mm (3.96" x 4.33" x 5.31")
Weight (net/gross)	1.9 kg (4.18 lb)/2.24 kg (4.93 lb)	1.38 kg (3 lb)/1.72 kg (3.78 lb)	1.5 kg (3.3 lb)/1.88 kg (4.14 lb)
Certificate	N/A	N/A	Heavy Industrial CE, FCC Part 18
Compliance	UL 508, Heavy Industrial CE, FCC Part 18, UL/cUL 60950-1, IEC 60068, EN 50121-4	UL 508, Heavy Industrial CE, FCC Part 18, UL/cUL 60950-1, IEC 60068	UL/Cul 60950-1, IEC 60068
EOS Support	XPE, WinCE, Linux Support Package	XPE, WinCE, Linux Support Package	XPE, Windows® 7 Embedded, Linux support package
AXView Monitoring Software Package Supported	Yes	Yes	Yes



Features\Models	rBOX510-6COM	rBOX510-6COM (ATEX/CID2)
CPU Level	Intel® Atom™ E3827 1.75 GHz	Intel® Atom™ E3827 1.75 GHz
System Memory	4 GB DDR3L Onboard	4 GB DDR3L Onboard
Chipset	SoC integrated	SoC integrated
Serial	2 x RS-232/422/485 (COM 1 ~ 2) 4 x Isolated RS-232/422/485 (COM 3 ~ 6)	2 x RS-232/422/485 (COM 1 ~ 2) 4 x Isolated RS-232/422/485 (COM 3 ~ 6)
CAN Bus	N/A	N/A
Display	1 x VGA	1 x VGA
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
PoE	N/A	N/A
DIO	1 x Isolated DIO (8-IN/8-OUT)	1 x Isolated DIO (8-IN/8-OUT)
USB	1 x USB 3.0 1 x USB 2.0	1 x USB 3.0 1 x USB 2.0
Storage	1 x CompactFlash™ 1 x 2.5" SATA drive or 1 x m-SATA slot	1 x CompactFlash™ 1 x 2.5" SATA drive or 1 x m-SATA slot
Watchdog Timer	2 WDT WDT 1: 1 secs./mins., 255 levels WDT 2: 250 ms, 255 levels	2 WDT WDT 1: 1 secs./mins., 255 levels WDT 2: 250 ms, 255 levels
Power Input	1 power path 12 ~ 48 VDC (terminal block)	1 power path 12 ~ 48 VDC (terminal block)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)	-40°C ~ +70°C (-40°F ~ +158°F) (with W.T. SSD)
Dimensions	85.6 x 110 x 155 mm (3.37" x 4.33" x 6.1")	85.6 x 110 x 155 mm (3.37" x 4.33" x 6.1")
Weight (net/gross)	1.5 kg (3.3 lb)/1.88 kg (4.14 lb)	1.5 kg (3.3 lb)/1.88 kg (4.14 lb)
Certificate	Heavy Industrial CE, FCC Part 18, UL/Cul60950-1	Heavy Industrial CE, FCC Part 18, UL/Cul60950-1, ATEX & CID2 Anti-Explosive Certification
Compliance	IEC 60068	IEC 60068
EOS Support	Windows® 7 Embedded, Linux support package, Windows® 8 Embedded	Windows® 7 Embedded, Linux support package, Windows® 8 Embedded
AXView Monitoring Software Package Supported	Yes	Yes

RISC Embedded Systems



Features/Models	IRU131	IRU152	IRU151
CPU Level	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz
System Memory	1 x DDR3 512MB onboard	1 x DDR3 512MB onboard	1 x DDR3 512MB onboard
Serial	1 x RS-232/422/485 interface select by software	1 x RS-232/422/485 interface select by software	1 x RS-232/422/485 interface select by software
AI	N/A (Isolation 2 KV)	4-Ch AI, 5V, 10V, ±5V, ±10V, 16-bit, 250 kS/s (Isolation 2 KV)	4-Ch AI, ±5V, ±10V, 16-bit, 470 S/s (Isolation 2 KV)
Device ID	Yes (Device setting 0 ~ 255)	Yes (Device setting 0 ~ 255)	Yes (Device setting 0 ~ 255)
Console Port	Yes (select console function by switch)	Yes (select console function by switch)	Yes (select console function by switch)
Ethernet	1 x 10/100 Mbps (Isolation 1.5 KV)	1 x 10/100 Mbps (Isolation 1.5 KV)	1 x 10/100 Mbps (Isolation 1.5 KV)
Wireless	2 x Mini card socket (supports USB interface) 1 x SIM card socket	2 x Mini card socket (supports USB interface) 1 x SIM card socket	2 x Mini card socket (supports USB interface) 1 x SIM card socket
DIO	1 x DIO (2-IN/ 2-OUT) (Isolation 2 KV)	1 x DIO (2-IN/ 2-OUT) (Isolation 2 KV)	1 x DIO (2-IN/ 2-OUT) (Isolation 2 KV)
USB	1 x USB 2.0	1 x USB 2.0	1 x USB 2.0
Storage	1 x eMMC 4GB onboard	1 x eMMC 4GB onboard	1 x eMMC 4GB onboard
Watchdog Timer	0.5 to 128 sec. (time resolution of 0.5 sec.)	0.5 to 128 sec. (time resolution of 0.5 sec.)	0.5 to 128 sec. (time resolution of 0.5 sec.)
Power Input	9 ~ 48 VDC (terminal block)	9 ~ 48 VDC (terminal block)	9 ~ 48 VDC (terminal block)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Dimensions	55 x 82 x 108 mm (2.16" x 3.23" x 4.25")	55 x 82 x 108 mm (2.16" x 3.23" x 4.25")	55 x 82 x 108 mm (2.16" x 3.23" x 4.25")
Weight (net/gross)	0.3 kg (0.66 lb)/0.50 kg (1.10 lb)	0.32 kg (0.71 lb)/0.53 kg (1.17 lb)	0.32 kg (0.71 lb)/0.53 kg (1.17 lb)
Certificate	Heavy Industrial CE, FCC Part 15	Heavy Industrial CE, FCC Part 15	Heavy Industrial CE, FCC Part 18
OS Support	Yocto (Linux Kernel : 3.14.52)	Yocto (Linux Kernel : 3.14.52)	Yocto (Linux Kernel : 3.14.52)

RISC Embedded Systems



Features/Models	IFB112	IFB122	rBOX610	rBOX630
CPU Level	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz	NXP i.MX 6UltraLite, ARM® Cortex®-A7, 528 MHz	Freescale ARM9, i.MX287, 454 MHz	Freescale Cortex®-A9, i.MX6 Cortex®-A9, DualLite, 800 MHz
System Memory	1 x DDR3 256MB onboard	1 x DDR3 256MB onboard	1 x DDR2 128MB onboard	1 x DDR3 1GB onboard
Serial	1 x RS-232/422/485 interface select by software	2 x RS-232/422/485 interface select by software	4 x RS-232/422/485 (COM 1 ~ 4) COM 1 ~ 3 with TX/RX/RTS/CTS signals RS-232/422/485 interface select by software	4 x RS-232/422/485 (COM 1 ~ 4) COM 1 ~ 3 with TX/RX/RTS/CTS signals RS-232/422/485 interface select by software
CAN Bus	1 x CAN bus	N/A	2 x CAN (non-isolation) Phoenix connector	2 x CAN (non-isolation) Phoenix connector
HDMI	N/A	N/A	N/A	Yes
Console Port	Yes	Yes	Yes	Yes
Ethernet	2 x 10/100 Mbps (Isolation 1.5 KV)	2 x 10/100 Mbps (Isolation 1.5 KV)	2 x 10/100 Mbps Ethernet	1 x 10/100 Mbps Ethernet 1 x 10/100/1000 Mbps Ethernet
Wireless	1 x Mini card socket (supports USB interface) 1 x SIM card socket	1 x Mini card socket (supports USB interface) 1 x SIM card socket	1 x Mini card socket (supports USB interface on 3G/GPRS) 1 x SIM socket by outside access and is easy plug/pull	1 x Mini card socket (supports USB interface) with 1 x SIM socket by outside access and is easy plug/pull 1 x Mini card socket (supports USB & PCIE interface) with 1 x SIMs socket by inside
DIO	1 x DIO (2-IN/1-OUT)	1 x DIO (2-IN/1-OUT)	1 x DIO (4-IN/4-OUT)	1 x DIO (8-IN/8-OUT)
USB	1 x USB 2.0	1 x USB 2.0	1 x USB 2.0	1 x USB 2.0 OTG
Storage	1 x eMMC 4GB onboard	1 x eMMC 4GB onboard	1 x eMMC 4GB onboard 1 x SDHC card	1 x eMMC 4GB onboard 1 x SDHC card
Watchdog Timer	0.5 to 128 sec. (time resolution of 0.5 sec.)	0.5 to 128 sec. (time resolution of 0.5 sec.)	1 WDT: 1 sec, 255 levels	1 WDT: 1 sec, 255 levels
Power Input	9 ~ 48 VDC (terminal block)	9 ~ 48 VDC (terminal block)	2 power paths 12 ~ 48 VDC (terminal block)	2 power paths 12 ~ 48 VDC (terminal block)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Dimensions	31 x 100 x 125 mm (1.22" x 3.94" x 4.92")	31 x 100 x 125 mm (1.22" x 3.94" x 4.92")	55 x 155 x 110 mm (2.16" x 6.10" x 4.33")	55 x 155 x 110 mm (2.16" x 6.10" x 4.33")
Weight (net/gross)	0.3 kg (0.66 lb)/0.44 kg (0.97 lb)	0.3 kg (0.66 lb)/0.44 kg (0.97 lb)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)	0.9 kg (2.0 lb)/1.3 kg (2.87 lb)
Certificate	Heavy Industrial CE, FCC Part 15	Heavy Industrial CE, FCC Part 15	Heavy Industrial CE, FCC Part 18	Heavy Industrial CE, FCC Part 18
OS Support	Yocto (Linux Kernel : 3.14.52) Ubuntu 14.04	Yocto (Linux Kernel : 3.14.52)	LTIB (Linux Kernel : 2.6.35)	Yocto (Linux Kernel : 3.0.35) Ubuntu 14.04

Embedded Field Controllers



Coming soon

Hardware Models	ICO120-83D	ICO320-83C
Processor	Intel® Celeron® N3350	Intel® Celeron® N3350
System Memory	1 x DDR3L SO-DIMM up to 8GB	1 x DDR3L SO-DIMM up to 8GB
System I/O Front Side	2 x Gb Ethernet 1 x DB9 RS-232/422/485 (optional CANbus 2.0A/B) 2 x LED indicator	4 x RJ-45 Gb Ethernet (NIC) (optional PoE function) 1 x DB9 RS-232/422/485 (optional CANbus 2.0A/B) 2 x USB 3.0
System I/O Top Side	2 x USB 2.0 1 x DC-in 2 x antenna opening	1 x DC-in 1 x VGA 1 x 8-bit DIO (optional)
System I/O Bottom Side	1 x VGA 1 x 8-bit TTL 5V DIO	1 x DB9 RS-232/422/485
Storage	1 x mSATA	1 x mSATA 1 x 2.5" 9.5 mm SATA drive
Mounting	DIN-rail Wall mount	DIN-rail Wall mount
Expansion Interface	N/1 x full-size mini PCIe slot with 1x SIM card socket, 1 x half-size mini PCIe slot for mSATA	1 x full-size mini PCIe slot with 1 x SIM card socket, 1 x half-size mini PCIe slot for mSATA
Power Supply	12 ~ 24VDC	12 ~ 24VDC
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F) W.T. SSD -25°C ~ +55°C (-13°F ~ +131°F) W.T. HDD	-20°C ~ +70°C (-4°F ~ +158°F) W.T. SSD -25°C ~ +55°C (-13°F ~ +131°F) W.T. HDD
Humidity	5% ~ 95%, non-condensing	5% ~ 95%, non-condensing
Vibration Endurance	2 Grms w/ mSATA (5 ~ 500Hz, X, Y, Z direction; random)	2 Grms w/ mSATA (5 ~ 500Hz, X, Y, Z direction; random)
Dimensions	31 x 100 x 125 mm	79 x 155 x 110 mm (w/o PoE 59 x 155 x 110 mm)
Weight	0.3 kg	TBC
Certification	CE, FCC	CE, FCC
EOS support	Windows® 10, Linux, AXView 2.0	Windows® 10, Linux, AXView 2.0



Features/Models	ICO100-839	ICO310	ICO300-83B
CPU Level	Intel® Celeron® N3350	Intel® Celeron® N3060/N3160	Intel® Celeron® N3350
System Memory	1 x DDR3L-1866 SO-DIMM up to 8GB	1 x DDR3L-1600 SO-DIMM up to 8GB	1 x DDR3L-1866 SO-DIMM up to 8GB
Chipset	SoC integrated	SoC integrated	SoC integrated
Serial	2 x RS-232/422/485 (COM 1/2)	2 x RS-232/422/485 (COM 1/2)	4 x isolated RS-232/422/485 (E3940) 2 x isolated RS-232/422/485 (E3940) 4 x RS-232/422/485 (E3930)
CAN Bus	N/A	N/A	N/A
Display	1 x VGA	1 x VGA	1 x VGA or HDMI (optional)
Ethernet	1 x 10/100/1000 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
PoE	N/A	1 x PD (and also can support 10/100/1000 Ethernet)	N/A
DIO	1 x DIO (8-bit programming)	1 x DIO (8-bit Programming)	1 x DIO (8-bit Programming)
USB	2 x USB 2.0	2 x USB 3.0, 2 x USB 2.0	4 x USB 3.0
Storage	1 x mSATA	1 x mSATA 1 x 2.5" 9.5 mm SATA drive	1 x mSATA 1 x 2.5" 9.5 mm SATA drive
Watchdog Timer	1 WDT One step is 1 secs./mins., 255 levels	1 WDT One step is 1 secs./mins., 255 levels	1 WDT One step is 1 secs./mins., 255 levels
Power Input	12 ~ 24 VDC (terminal block)	12 ~ 24 VDC (terminal block)	12 ~ 24 VDC (terminal block)
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F) Optional -40°C ~ +70°C (-40°F ~ +158°F)	-20°C ~ +60°C (-4°F ~ +140°F)	-20°C ~ +70°C (-4°F ~ +158°F) Optional -40°C ~ +70°C (-40°F ~ +158°F)
Dimensions	31 x 100 x 125 mm (1.22" x 3.93" x 4.92")	48 x 110 x 155 mm (1.88" x 4.33" x 6.1")	48 x 110 x 155 mm (1.88" x 4.33" x 6.1")
Weight (net/gross)	TBD	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)
Certificate	CE, FCC	CE, FCC	CE, FCC
Compliance	IEC 60068	IEC 60068	IEC 60068
EOS Support	Windows® 10 IoT, Windows® 10 IoT Core Pro Linux support package	Windows® 7 Embedded, Windows® 8 Embedded, Windows® 8, Windows® 10, Linux support package	Windows® 10, Linux support package
AXView Monitoring Software Package Supported	Yes	Yes	N/A

Embedded Field Controllers



Features/Models	ICO300	ICO300-MI	ICO200
CPU Level	Intel® Atom™ E3815/E3827	Intel® Atom™ E3815	AMD LX800
System Memory	1 x DDR3L-1067/1333 SO-DIMM, up to 4GB (E3815), up to 8GB (E3827)	1 x DDR3L-1067 SO-DIMM, up to 4GB	1 x DDR-400 SO-DIMM, up to 1GB
Chipset	SoC integrated	SoC integrated	AMD CS5536AD
Serial	4 x RS-232/422/485 (COM 1 ~ 4)	4 x RS-232/422/485 (COM 1 ~ 4)	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2)
CAN Bus	N/A	N/A	N/A
Display	1 x VGA	1 x VGA	1 x VGA
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100 Mbps Ethernet
PoE	N/A	N/A	N/A
DIO	1 x DIO (8-bit Programming)	N/A	N/A
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Storage	1 x CompactFlash™ (or mSATA) 1 x 2.5" SATA drive	1 x CompactFlash™ (or mSATA) 1 x 2.5" SATA drive	1 x CompactFlash™
Watchdog Timer	1 WDT One step is 1 secs./mins., 255 levels	1 WDT One step is 1 secs./mins., 255 levels	1 WDT Reset supported, 255 levels
Power Input	12 ~ 24 VDC (terminal block)	12 ~ 24 VDC (terminal block)	24 VDC (DC jack)
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F) Optional -40°C ~ +70°C (-40°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F) Optional -40°C ~ +70°C (-40°F ~ +158°F)	0°C ~ +50°C (+32°F ~ +122°F)
Dimensions	48 x 110 x 155 mm (1.88" x 4.33" x 6.1")	48 x 110 x 155 mm (1.88" x 4.33" x 6.1")	160.5 x 111.8 x 53.35 mm (6.32" x 4.40" x 2.10")
Weight (net/gross)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)	1.2 kg (2.64 lb)/1.92 kg (4.23 lb)
Certificate	CE, FCC	CE, FCC	CE
Compliance	IEC 60068	IEC 60068	N/A
EOS Support	Windows® 7 Embedded, Windows® 8 Embedded, Windows® 10 IoT Core® Pro, Linux support package	Intel® IoT Gateway Solution	XPE, WinCE, Linux support package
AXView Monitoring Software Package Supported	N/A	N/A	N/A

Industrial Firewall Systems



Hardware	IFW320	IFW330
CPU	Intel® Atom™ E3815 (1.4 GHz)	Intel® Atom™ E3815 (1.4 GHz)
Network Interface	1 x WAN (10/100/1000 Mbps Ethernet) 1 x LAN (10/100/1000 Mbps Ethernet)	2 x WAN (10/100/1000 Mbps Ethernet) 1 x LAN (10/100/1000 Mbps Ethernet) 4DI, 4DO, 1 x RS-232 (enclosure)
I/O interface	1 x VGA 1 x USB 2.0	1 x VGA 1 x USB 2.0
Memory	DRAM 2GB, CompactFlash™ Storage 2GB	DRAM 2GB, CompactFlash™ Storage 2GB
Power supply	12 ~ 24 VDC power input (single path)	12 ~ 24 VDC power input (single path)
Temperature range	0°C ~ +60°C (+32°F ~ +140°F) (IFW320), -40°C ~ +75°C (-40°F ~ +167°F) (IFW320-T)	0°C ~ +60°C (+32°F ~ +140°F) (IFW330), -40°C ~ +75°C (-40°F ~ +167°F) (IFW330-T)
Air humidity range	5% ~ 95%	5% ~ 95%
Dimension	46 x 110 x 155 mm (1.81" x 4.33" x 6.10")	46 x 110 x 155 mm (1.81" x 4.33" x 6.10")
Weight (net/gross)	1.0 kg (2.20 lb)/1.2 kg (2.64 lb)	1.0 kg (2.20 lb)/1.2 kg (2.64 lb)
Certificate	Heavy Industrial CE, FCC Part 18, UL 60950-1/UL 508 (compliance)	Heavy Industrial CE, FCC Part 18, UL 60950-1/UL 508 (compliance)
Security Function Firewall	Stateful inspection Filter: IP and MAC address, ports, ICMP, DDoS, Ethernet Protocols Bridge mode firewall Deep Packet Inspection on Modbus TCP	Stateful inspection Filter: IP and MAC address, ports, ICMP, DDoS, Ethernet Protocols Bridge mode firewall Deep Packet Inspection on Modbus TCP
VPN	IPSec (client/server) Max.100 tunnel, PPTP (client/server) Max. 50 tunnels, SSL VPN Max.50 tunnels	IPSec (client/server) Max.100 tunnel, PPTP (client/server) Max. 50 tunnels, SSL VPN Max.50 tunnels
Encryption	DES, 3DES, AES (128/196/256)	DES, 3DES, AES (128/196/256)
Authentication	Pre-Shared Key (PSK), SHA, MD5	Pre-Shared Key (PSK), SHA, MD5
NAT	1-1 NAT, Port forwarding	1-1 NAT, Port forwarding
Data Throughput	500 Mbps	500 Mbps
VPN throughput	3DES: 50 Mbps DES: 78 Mbps AES: 85 Mbps	3DES: 50 Mbps DES: 78 Mbps AES: 85 Mbps
Industrial Protocol management	EtherCAT, Ethernet/IP, Lonworks, Profinet, Modbus, IEC, DNP	EtherCAT, Ethernet/IP, Lonworks, Profinet, Modbus, IEC, DNP
Intrusion Detection and Prevention	IDP (Intrusion Detection and Prevention) BotNet prevention	IDP (Intrusion Detection and Prevention) BotNet prevention
Network features	Quality of Service (QoS) IPv4/IPv6	Quality of Service (QoS) IPv4/IPv6
Load balance	N/A	Inbound/Outbound
Alarming	N/A	DI alarming as trigger DO as action
Redundancy	N/A	Network redundancy

Digital Signage Solutions



Features/Models	DSB550-880	DSB500-860	DSB320-842
CPU Level	4th Gen Intel® Core™ i5/i3	Socket rPGA988B 2nd Gen Intel® Core™ i7/i5/i3	Intel® Celeron® J1900
Chipset	Intel® QM87	Intel® QM67	SoC Integrated
System Memory	1 x 204-pin DDR3-1066/1333/1600 SO-DIMM, up to 8GB	1 x 204-pin DDR3 SO-DIMM, up to 8GB	1 x 204-pin DDR3L SO-DIMM, up to 8GB
Pluggable Engine Box	N/A	N/A	N/A
Intel AMT	AMT 9.0	AMT 7.0	N/A
I/O	1 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x DisplayPort 2 x HDMI 1 x Audio (Mic-in/Line-out) 1 x Mini PCIe slot 1 x RS-232	1 x 10/100/1000 Mbps Ethernet 4 x USB 2.0 1 x VGA 1 x HDMI 1 x DisplayPort 1 x Audio (Mic-in/Line-out) 1 x Mini PCIe slot	1 x 10/100/1000 Mbps Ethernet 4 x USB 2.0 1 x DIO (DB9 connector) 1 x HDMI 1 x VGA 1 x RS-232 (COM 1) 1 x Power on/off button 1 x Audio (Mic-in/Line-out)
Storage	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD tray	1 x mSATA
Touchscreen	N/A	N/A	N/A
Power Supply	19 VDC with AC-DC adapter	19 VDC with AC-DC adapter	12 VDC, with AC-DC Adapter
Dimensions (W x D x H)	210 x 165 x 35 mm (8.26" x 6.49" x 1.38")	210 x 165 x 35 mm (8.26" x 6.49" x 1.38")	180 x 128 x 34.7 mm (7.11" x 5.04" x 1.37")
Weight (net/gross)	1.9 kg (4.2 lb)/2.9 kg (6.4 lb)	1.5 kg (3.3 lb)/2.5 kg (5.51 lb)	1 kg (2.21 lb)/1.5 kg (3.3 lb)
Operating Temperature	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)
Certificate	CE	CE	CE



Features/Models	OPS300-310	OPS500-501-H	OPS500-501
CPU Level	Intel® Celeron® N3350	6th/7th Gen Intel® Core™ i7/i5/i3	6th/7th Gen Intel® Core™ i7/i5/i3
Chipset	SoC Integrated	Intel® H110	Intel® Q170
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM up to 8GB	1 x 260-pin DDR4-2133 SO-DIMM up to 16GB	1 x 260-pin DDR4-2133 SO-DIMM up to 16GB
Pluggable Engine Box	Yes (OPS compliance)	Yes (OPS compliance)	Yes (OPS compliance)
LCD Size	N/A	N/A	N/A
Intel AMT	N/A	N/A	AMT 11
I/O	2 x USB 2.0 1 x USB 3.0 1 x 10/100/1000 Mbps Ethernet 1 x VGA 1 x Audio (Mic-in/Line-out) 1 x JAE TX-25A	2 x USB 3.0 1 x USB 2.0 1 x 10/100/1000 Mbps Ethernet 1 x HDMI with 4K Resolution 1 x RS-232 (COM 2) 1 x Audio (Mic-in/Line-out) 1 x JAE TX-25A	2 x USB 3.0 1 x USB 2.0 1 x 10/100/1000 Mbps Ethernet 1 x HDMI with 4K Resolution 1 x RS-232 (COM 2) 1 x Audio (Mic-in/Line-out) 1 x JAE TX-25A
Storage	1 x 2.5" SATA HDD tray 1 x mSATA	1 x 2.5" SATA HDD tray 1 x mSATA	1 x 2.5" SATA HDD tray 1 x mSATA
Touchscreen	N/A	N/A	N/A
Power Supply	12 ~ 19 VDC	12 ~ 19 VDC	12 ~ 19 VDC
Dimensions (W x D x H)	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")
Weight (net/gross)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
Certificate	CE, FCC Class A	CE	CE

Digital Signage Solutions



Features/Models	OPS885	OPS883-H	OPS883
CPU Level	4th Gen Intel® Core™ i5	4th Gen Intel® Core™ i7/i5/i3	4th Gen Intel® Core™ i7/i5/i3
Chipset	Intel® QM87	Intel® H81	Intel® Q87
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM up to 8GB	1 x 204-pin DDR3-1600 SO-DIMM up to 8GB	1 x 204-pin DDR3-1600 SO-DIMM up to 8GB
Pluggable Engine Box	Yes (OPS compliance)	Yes (OPS compliance)	Yes (OPS compliance)
LCD Size	N/A	N/A	AMT 9.0
Intel AMT	AMT 9.0	N/A	AMT 9.0
I/O	2 x USB 3.0 1 x USB 2.0 1 x 10/100/1000 Mbpts Ethernet 1 x HDMI 1 x JAE TX-25 1 x RS-232	2 x USB 2.0 1 x USB 3.0 1 x 10/100/1000 Mbpts Ethernet 1 x HDMI with 4K Resolution 1 x RS-232 (COM 2) 1 x Audio (Mic-in/Line-out) 1 x JAE TX-25	2 x USB 2.0 1 x USB 3.0 1 x 10/100/1000 Mbpts Ethernet 1 x HDMI with 4K Resolution 1 x RS-232 (COM 2) 1 x Audio (Mic-in/Line-out) 1 x JAE TX-25
Storage	1 x mSATA	1 x 2.5" SATA HDD tray 1 x mSATA	1 x 2.5" SATA HDD tray 1 x mSATA
Touchscreen	N/A	N/A	N/A
Power Supply	12 ~ 19 VDC	12 ~ 19 VDC	12 ~ 19 VDC
Dimensions (W x D x H)	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")
Weight (net/gross)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
Certificate	CE	CE	CE



Features/Models	OPS882-HM	OPS880	OPS880-HM
CPU Level	4th Gen Intel® Core™ i5/i3	4th Gen Intel® Core™ i7/i5/i3	4th Gen Intel® Core™ i5/i3
Chipset	Intel® HM86	Intel® QM87	Intel® HM86
System Memory	2 x 204-pin DDR3L-1600 SO-DIMM up to 16GB	1 x 204-pin DDR3L-1600 SO-DIMM up to 8GB	1 x 204-pin DDR3L-1600 SO-DIMM up to 8GB
Pluggable Engine Box	Yes (OPS compliance)	Yes (OPS compliance)	Yes (OPS compliance)
Intel AMT	N/A	AMT 9.0	N/A
I/O	3 x USB 3.0 1 x 10/100/1000 Mbpts Ethernet 1 x HDMI 1 x JAE TX-25 1 x RS-232	2 x USB 3.0 1 x USB 2.0 1 x 10/100/1000 Mbpts Ethernet 1 x HDMI 1 x JAE TX-25 1 x RS-232	2 x USB 3.0 1 x USB 2.0 1 x 10/100/1000 Mbpts Ethernet 1 x HDMI 1 x JAE TX-25 1 x RS-232
Storage	1 x 2.5" SATA HDD tray 1 x mSATA	1 x mSATA	1 x mSATA
Touchscreen	N/A	N/A	N/A
Power Supply	12 ~ 19 VDC	12 ~ 19 VDC	12 ~ 19 VDC
Dimensions (W x D x H)	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")
Weight (net/gross)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ 45°C (+32°F ~ +113°F)	0°C ~ 45°C (+32°F ~ +113°F)
Certificate	CE	CE	CE

Digital Signage Solutions



Features/Models	OPS875	OPS871	OPS871-HM
CPU Level	Socket rPGA988B 3rd Gen Intel® Core™ i7/i5/i3	Socket rPGA988B 3rd Gen Intel® Core™ i7/i5/i3	Socket rPGA988B 3rd Gen Intel® Core™ i5/i3
Chipset	Intel® HM76	Intel® QM77	Intel® HM76
System Memory	1 x 204-pin DDR3 SO-DIMM up to 8GB	1 x 204-pin DDR3 SO-DIMM up to 8GB	1 x 204-pin DDR3 SO-DIMM up to 8GB
Pluggable Engine Box	Yes (OPS compliance)	Yes (OPS compliance)	Yes (OPS compliance)
Intel AMT	AMT 8.0	AMT 8.0	N/A
I/O	2 x USB 3.0 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet 1 x HDMI 1 x JAE TX-25	2 x USB 3.0 1 x 10/100/1000 Mbps Ethernet 1 x HDMI 1 x JAE TX-25	2 x USB 3.0 1 x 10/100/1000 Mbps Ethernet 1 x HDMI 1 x JAE TX-25
Storage	1 x 2.5" SATA HDD tray	1 x 2.5" SATA HDD tray	1 x 2.5" SATA HDD tray
Touchscreen	N/A	N/A	N/A
Power Supply	12 ~ 19 VDC	12 ~ 19 VDC	12 ~ 19 VDC
Dimensions (W x D x H)	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")	200 x 119 x 30 mm (7.87" x 4.68" x 1.18")
Weight (net/gross)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
Certificate	CE	CE	CE

Embedded MicroBoxes

Model (W x D x H)	Accessory Specifications			SBC Selections	
	Drive Bay	Expansion Slot	Power Supply	3.5" Capa	Mini ITX
 AX60630 259.5 x 186 x 58.5 mm	1 x 2.5"	N/A	12 V, 60W		MAN0300 MAN0842
 AX60650 202 x 320 x 73 mm	1 x 2.5"	N/A	PSU 150W		MAN0500 MAN0881 MAN0882 MAN0873
 EM60323 270 x 260 x 55 mm	1 x 2.5"	N/A	ATX 250W Input: AC 115 ~ 230 V Output: +3.3V @ 4A, +5V @ 6A, +12V @ 16.5A, -12V @ 0.4A, +5Vsb @ 1A		MAN0830 MAN0842 MAN0861 MAN0871 MAN0881
 EM1611S 225 x 225 x 51 mm	1 x 2.5"	1 x PC104	AT 72W Input: AC 90 ~ 260 V Output: +5V @ 10A, +12V @ 1.5A, -12V @ 0.3A AT 72W Input: DC 9 ~ 18 V Output: +5V @ 10A, +12V @ 1.5A, -12V @ 0.3A AT 72W Input: DC 18 ~ 36 V Output: +5V @ 10A, +12V @ 1.5A, -12V @ 0.3A	3.5" CAPA Board	
 EM60320I 335 x 250 x 88 mm	1 x 3.5"	2 x PCI or 2 x PCIe	ATX 250W Input: AC 115 ~ 230 V Output: +3.3V @ 4A, +5V @ 6A, +12V @ 16.5A, -12V @ 0.4A, +5Vsb @ 1A		MAN0861 MAN0871

Industrial Barebone Systems



Features/Models	IPC912-213-FL	IPC914-213-FL	IPC922-215-FL
CPU Level	Socket G2 2nd Gen Intel® Core™ i7/i5/i3 & Celeron®	Socket G2 2nd Gen Intel® Core™ i7/i5/i3 & Celeron®	Intel® Celeron® J1900
System Memory	2 x 204-pin DDR3-1066/1333 SO-DIMM, up to 8GB	2 x 204-pin DDR3-1066/1333 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333 SO-DIMM, up to 8GB
Chipset	Intel® HM65	Intel® HM65	SoC
Serial	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	4 x RS-232-422-485 (COM 1 ~ 4)
Display	1 x VGA	1 x VGA	1 x VGA
Audio	N/A	N/A	N/A
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	6 x USB 2.0	6 x USB 2.0	4 x USB 2.0
Expansion Interface	1 PCIe x1 & 1 PCIe x4 or 1 PCI & 1 PCIe x4	4 PCI or 2 PCI & 1 PCIe x1 & 1 PCIe x16	2 PCI or 1 PCI & 1 PCIe x4
Storage	1 x 2.5" HDD 1 x CFast™	1 x 2.5" HDD 1 x CFast™	1 x 2.5" HDD 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	150W ATX 10 ~ 30 VDC	150W ATX 10 ~ 30 VDC	120W ATX 18 ~ 28 VDC
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F) (with W.T. HDD)	0°C ~ +50°C (+32°F ~ +122°F) (with W.T. HDD)	-10°C ~ +50°C (+14°F ~ +122°F) (with W.T. HDD)
Wall Mount	Yes	Yes	Yes
Dimensions (W x D x H)	142 x 248 x 185 mm (5.6" x 9.8" x 7.3")	182 x 248 x 185 mm (7.2" x 9.8" x 7.3")	118 x 248 x 185 mm (4.6" x 9.8" x 7.3")
Weight (net/gross)	4.22 kg (9.28 lb)/5.3 kg (11.68 lb)	5 kg (11.02 lb)/6.4 kg (14.1 lb)	4.22 kg (9.28 lb)/5.3 kg (11.68 lb)
Certificates	CE	CE	CE
EOS Support	XPE	XPE	WES7



Features/Models	IPC932-230-FL	IPC932-230-FL-ECM	IPC934-230-FL
CPU Level	4th Gen Intel® Core™ i7/i5/i3 & Celeron®	4th Gen Intel® Core™ i7/i5/i3 & Celeron®	4th Gen Intel® Core™ i7/i5/i3 & Celeron®
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB
Chipset	Intel® Q87	Intel® Q87	Intel® Q87
Serial	2 x RS-232/422/485 (COM 1/2) 2 x RS-232 (COM 3/4)	2 x RS-232/422/485 (COM 1/2) 2 x RS-232 (COM 3/4)	2 x RS-232/422/485 (COM 1/2) 2 x RS-232 (COM 3/4)
Display	1 x DVI-I	1 x DVI-I	1 x DVI-I
Audio	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)
PS/2	Yes	Yes	Yes
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	2 x USB 3.0 4 x USB 2.0	2 x USB 3.0 4 x USB 2.0	2 x USB 3.0 4 x USB 2.0
Expansion Interface	1 PCIe x1 & 1 PCIe x4 or 1 PCI & 1 PCIe x4	1 PCIe x1 & 1 PCIe x4	4 PCI or 2 PCI & 1 PCIe x1 & 1 PCIe x16
Storage	2 x 2.5" HDD 1 x CFast™	2 x 2.5" HDD 1 x CFast™	2 x 2.5" HDD 1 x CFast™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	150W ATX 10 ~ 30 VDC	150W ATX 10 ~ 30 VDC	150W ATX 10 ~ 30 VDC
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) (with W.T. HDD or CFast™ or SSD)	-10°C ~ +50°C (+14°F ~ +122°F) (with W.T. HDD or CFast™ or SSD)	-10°C ~ +50°C (+14°F ~ +122°F) (with W.T. HDD or CFast™ or SSD)
Wall Mount	Yes	Yes	Yes
Dimensions (W x D x H)	164 x 245.6 x 185 mm (6.45" x 9.65" x 7.27")	164 x 245.6 x 185 mm (6.45" x 9.65" x 7.27")	200.54 x 251.8 x 185 mm (7.96" x 251.8 x 7.3")
Weight (net/gross)	6.2 kg (13.67 lb)/7.2 kg (15.87 lb)	6.2 kg (13.67 lb)/7.2 kg (15.87 lb)	5.9 kg (12.98 lb)/6.9 kg (15.18 lb)
Certificates	CE compliance	CE compliance	CE compliance
EOS Support	WES7	WES7	WES7

Industrial Barebone Systems



Coming soon

Features/Models	IPC962-511-FL	IPC964-512-FL
CPU Level	6th/7th generation Intel® Core™ i7/i5/i3 & Celeron® processor up to 35 W (codename: Skylake/Kabylake)	6th/7th generation Intel® Core™ i7/i5/i3 & Celeron® processor up to 35 W (codename: Skylake/Kabylake)
System Memory	2 x DDR4-2133 un-buffered DIMM max. up to 32 GB	2 x DDR4-2133 un-buffered DIMM max. up to 32GB
Chipset	Intel® H110	Intel® Q170
Serial	4 x RS-232/422/485	4 x RS-232/422/485
Display	1 x HDMI 1 x VGA	1 x HDMI 1 x VGA
Audio	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)
PS/2	N/A	N/A
Ethernet	2 x 10/100/1000 Mbps Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	4 x USB 3.0	4 x USB 3.0
Expansion Interface	AX96205: 1 PCIe x16 + 1 PCIe x4 AX96206: 1 PCIe x16 + 1 PCI 1 x full-size Mini Card (USB interface)	AX96410: 1 PCIe x16 + 3 PCIe x4 AX96411: 1 PCIe x16 + 1 PCIe x4 + 2PCI 1 x full-size Mini Card (USB/PCIe interface)
Storage	2 x 2.5" SATA HDD	2 x 2.5" SATA HDD
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	DC ATX 150W: Input: 24VDC (uMin=19V / uMax=30V) Output: +5V@11A, +3.3V@5A, +12V@9A, -12V@-150mA, 5Vsb@2A	DC ATX 150W: Input: 24VDC (uMin=19V / uMax=30V) Output: +5V@11A, +3.3V@5A, +12V@9A, -12V@-150mA, 5Vsb@2A
Operating Temperature	-10°C ~ +60°C (+14°F ~ +140°F) (with 0.7 m/s air ow and integrated industrial SSD w/o PC expansion boards)	-10°C ~ +60°C (+14°F ~ +140°F) (with 0.7 m/s air ow and integrated industrial SSD w/o PC expansion boards)
Wall Mount	Yes	Yes
Dimensions (W x D x H)	TBD	TBD
Weight (net/gross)	TBD	TBD
Certificates	CE compliance	CE compliance
EOS Support	Windows® 10 IoT (32/64-bit)	Windows® 10 IoT (32/64-bit)

Industrial Chassis



Features/Models	AX61120TP	AX61131TM	AX61132TM	AX61133TM
Height	1U	1U	1U	1U
Number of Slots	2	1	1	1
Backplane Selection	FAB102, FAB209, ATX6022/3VP2	N/A	N/A	N/A
MB Support	N/A	Yes, 12" x 9.6" (ATX) IMB206, IMB207, IMB208	Yes, 12" x 9.6" (ATX) IMB206, IMB207, IMB208	Yes, 12" x 9.6" (ATX) IMB206, IMB207, IMB208
Drive Capacity	5.25" 3.5"	1 (slim) 2 (1 internal)	N/A 2 (internal)	N/A 2 (hot-swappable tray)
Cooling System	3 x 4 cm	2 x 4 cm	2 x 4 cm	2 x 4 cm
Fault Detection	N/A	N/A	N/A	N/A
Power Supply	1U type	1U type	1U type	1U type
Dimensions (W x D x H)	482.6 x 500 x 44 mm (19" x 19.7" x 1.75")	440 x 428 x 44mm (17.3" x 16.8" x 1.73")	482 x 430 x 44 mm (19" x 16.93" x 1.73")	473.5 x 440 x 44 mm (19" x 17.32" x 1.73")
Weight (net/gross)	9.8 kg (21.6 lb)/ 10.5 kg (23.15 lb)	9.8 kg (21.6 lb)/ 10.8 kg (23.81 lb)	9.8 kg (21.6 lb)/ 10.8 kg (23.81 lb)	9.8 kg (21.6 lb)/ 10.8 kg (23.81 lb)



Features/Models	AX61222TP/ AX61220TP	AX61221TM	AX61400	AX6145
Height	2U	2U	4U	4U
Number of Slots	5	3	14	14
Backplane Selection	FAB105-V1, FAB210, ATX6022/6VP4	N/A	FAB100, FAB101, FAB112, FAB113, FAB114, FAB118, FAB119, ATX6022/14, ATX6022/14G, ATX6022/13L, ATX6022/14GP7	FAB100, FAB101, FAB112, FAB113, FAB114, FAB118, FAB119, ATX6022/14, ATX6022/14G, ATX6022/13L, ATX6022/14GP7
MB Support	N/A	Yes, 12" x 9.6" (ATX)	Yes, 12" x 9.6" (ATX)	Yes, 12" x 9.6" (ATX)
Drive Capacity	5.25" 3.5"	2 (1 slim) 2 (1 internal)	3 2 (1 internal)	2 2 (1 internal)
Cooling System	2 x 8 cm	1 x 8 cm	1 x 12 cm	2 x 8 cm
Fault Detection	N/A	N/A	N/A	N/A
Power Supply	PS/2 type (optional HRP for AX61220TP)	PS/2 type	PS/2 type	PS/2 type
Dimensions (W x D x H)	481.4 x 450 x 88.9 mm (18.95" x 17.7" x 3.5") (AX61222TP) 481.4 x 475 x 88.9 mm (18.95" x 18.7" x 3.5") (AX61220TP)	482.6 x 450 x 88 mm (19" x 17.7" x 3.5")	482.6 x 450 x 177 mm (19" x 17.7" x 7")	482.6 x 427 x 177 mm (19" x 16.8" x 7")
Weight (net/gross)	8.22 kg (18.12 lb)/ 10.26 kg (22.62 lb) (AX61222TP) 8.6 kg (18.96 lb)/ 12.02 kg (26.49 lb) (AX61220TP)	12 kg (26.45 lb)/ 13.5 kg (29.77 lb)	15 kg (33.07 lb)/ 16.3 kg (35.94 lb)	15 kg (33.07 lb)/ 16.3 kg (35.94 lb)

Industrial Chassis



Features/Models	AX6156LE	AX61492	AX60552	AX60551
Height	4U	4U	-	-
Number of Slots	14	20	8	8
Backplane Selection	FAB100, FAB101, FAB112, FAB113, FAB114, FAB118, FAB119, ATX6022/14, ATX6022/14G, ATX6022/14GP7, ATX6022/13L	ATX6022/20GP18	FAB111, FAB116, FAB208, HAB208, ATX6022/8, ATX6022/8GP7	FAB111, FAB116, FAB208, HAB208, ATX6022/8, ATX6022/8GP7
MB Support	Yes, 12" x 9.6" (ATX)	N/A	N/A	N/A
Drive Capacity	5.25" 3 3.5" 1	3 2	2 2 (1 internal)	1 2 (1 internal)
Cooling System	1 x 12 cm	3 x 12 cm	1 x 9 cm	1 x 9 cm
Fault Detection	N/A	N/A	N/A	N/A
Power Supply	PS/2 type (optional HRP)	HRP type (optional PS/2)	PS/2 type	PS/2 type
Dimensions (W x D x H)	484.7 x 537.6 x 176.7 mm (19" x 21.2" x 7")	482.6 x 680 x 177 mm (19" x 26.8" x 7")	368.8 x 407.5 x 177.3 mm (4.52" x 16.04" x 6.98")	275 x 414 x 193 mm (10.8" x 16.3" x 7.6")
Weight (net/gross)	18 kg (39.68 lb)/ 19.5 kg (43 lb)	2.3 kg (5.07 lb)/ 24.6 kg (54.24 lb)	10.5 kg (23.15 lb)/ 11.3 kg (24.92 lb)	10.9 kg (24.03 lb)/ 11.2 kg (24.67 lb)



Features/Models	AX60501	AX60530
Height	-	-
Number of Slots	6	4
Backplane Selection	FAB105, FAB109, FAB110, HAB206, ATX6022/6	HAB206, ATX6022/6
MB Support	N/A	N/A
Drive Capacity	5.25" 1 3.5" 2 (1 internal)	N/A 2 (1 internal)
Cooling System	1 x 9 cm	1 x 8 cm
Fault Detection	N/A	N/A
Power Supply	PS/2 type	1U type
Dimensions (W x D x H)	235 x 400 x 154.7 mm (9.25" x 15.8" x 6.1")	191 x 273 x 195.7 mm (7.5" x 10.8" x 7.7")
Weight (net/gross)	9 kg (19.84 lb)/10.3 kg (22.7 lb)	5.4 kg (11.9 lb)/6.8 kg (15 lb)

PICMG 1.3 SHB Express Backplanes

FAB100

14-Slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 4
- ISA 4
- PCIe x1 4
- PCIe x16 1



FAB101

14-Slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 13



FAB102

2-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCIe x16 1



FAB105

5-slot PICMG 1.3 SHB Express Full-size Backplane

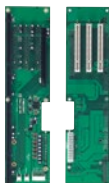
- PICMG 1.3 1
- PCI 3
- PCIe x16 1



FAB105-V1

5-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 3
- PCIe x16 1



FAB109

5-slot ATX-supported PICMG 1.3 Bus Passive Backplane

- PICMG 1.3 1
- PCIe x1 3
- PCIe x16 1



FAB110

5-slot ATX-supported PICMG 1.3 Bus Passive Backplane

- PICMG 1.3 1
- PCI 2
- PCIe x4 1
- PCIe x16 1



FAB111

7-slot ATX-supported PICMG 1.3 Bus Passive Backplane

- PICMG 1.3 1
- PCI 4
- PCIe x4 1
- PCIe x16 1

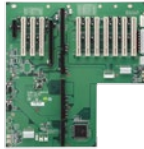


PICMG 1.3 SHB Express Backplanes

FAB112

13-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 10
- PCIe x4 1
- PCIe x16 1



FAB113

13-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 4
- PCIe x1 7
- PCIe x16 1



FAB114

13-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 8
- PCIe x1 3
- PCIe x16 1



FAB116

8-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 3
- PCIe x4 3
- PCIe x16 1



FAB118

14-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 7
- PCIe x4 5
- PCIe x16 1



FAB119

13-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 10
- PCIe x4 1
- PCIe x16 1



FAB205

6-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 5



FAB208

8-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCIe x16 1
- PCI 6



FAB209

3-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCIe x4 1
- PCIe x16 1



HAB206

5-slot PICMG 1.3 SHB Express Half-size Backplane

- PICMG 1.3 1
- PCI 3
- PCIe x16 1



FAB210

6-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 1
- PCI 2
- PCIe x1 2
- PCIe x16 1



HAB208

8-slot PICMG 1.3 SHB Express Half-size Backplane

- PICMG 1.3 1
- PCI 6
- PCIe x16 1

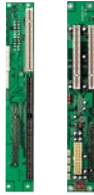


PICMG 1.0 Backplanes

ATX6022/3VP2

3-slot PICMG 1.0 Full-size Backplane

- PICMG 1
- PCI 2



ATX6022/6

6-slot PICMG 1.0 Full-size Backplane

- PICMG 1
- PCI 4
- ISA 1



ATX6022/13L

13-slot PICMG 1.0 Full-size Backplane

- PICMG 1
- PCI 4
- ISA 8



ATX6022/8

8-slot PICMG 1.0 Full-size Backplane

- PICMG 1
- PCI 4
- ISA 3



ATX6022/4

6-slot PICMG 1.0 Full-size Backplane

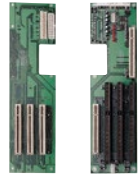
- PICMG 1
- PCI 4
- ISA 1



ATX6022/6VP4

6-slot PICMG 1.0 Full-size Backplane

- PICMG 1
- PCI 4
- ISA 1



ATX6022/14

14-slot PICMG 1.0 Full-size Backplane

- PICMG 1
- PCI 4
- ISA 9



ATX6022/14G

14-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG 1
- PCI 12
- ISA 1



ATX6022/14GP7

14-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG 1
- PCI 7
- ISA 6



ATX6022/20GP18

20-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG 1
- PCI 18
- ISA 1



ATX6022/8GP7

8-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG 1
- PCI 7



Power Supplies



Features/Models	APS-530	APS-536	APS-534	APS-532
Type	Open Frame	Open Frame	Open Frame	Open Frame
Power Wattage	AC 70W	DC 72W	DC 72W	DC 72W
Input Requirement	90 ~ 260 VAC Full Range	36 ~ 72 VDC	18 ~ 36 VDC	9 ~ 18 VDC
Output Range	+5V, 10A (0A min) +12V, 15A (0A min) -12V, 0.3A (0A min)	+5V, 10A (0A min) +12V, 1.5A (0A min) -12V, 0.3A (0A min)	+5V, 10A (0A min) +12V, 1.5A (0A min) -12V, 0.3A (0A min)	+5V, 10A (0A min) +12V, 1.5A (0A min) -12V, 0.3A (0A min)
MTBF (hours)	50,000h	50,000h	50,000h	50,000h
Safety	Meets UL1950, CSA C22.2 NO.234, CE	Meets UL1950, CSA C22.2 NO.234, CE	Meets UL1950, CSA C22.2 NO.234, CE	Meets UL1950, CSA C22.2 NO.234, CE
Dimensions	127 x 76.2 x 29 mm	127 x 76.2 x 29 mm	127 x 76.2 x 29 mm	127 x 76.2 x 29 mm
Compatible with Axiomtek models	EM1610/EM1611/EM60321/ eBOX745-EFL/eBOX746-EFL	EM1610/EM1611/ eBOX745-EFL/eBOX746-EFL	EM1610/EM1611/EM60321/ eBOX745-EFL/eBOX746-EFL	EM1610/EM1611/EM60321/ eBOX745-EFL/eBOX746-EFL



Features/Models	PS200-1U	PS270-1U	PS302-XP2	PS400-XP2
Type	1U Type	1U Type	PS/2 Type	PS/2 Type
Power Wattage	ATX 200W	ATX 270W	ATX 300W	ATX 400W
Input Requirement	90 ~ 264VAC Full Range	90 ~ 264VAC Full Range	100 ~ 240VAC Full Range	90 ~ 264 VAC Full Range
Output Range	+5V, 17A +3.3V, 14A +12V1, 6A +12V2, 12A -12V, 0.8A +5Vsb, 2A	+5V, 18A (0.5A min) +3.3V, 16A (0.5A min) +12V1, 16A (1A min) +12V2, 10A (1A min) -12V, 0.8A +5Vsb, 2.5A	+5V, 30/16A +12V1, 17A +12V2, 17A -12V, 0.3A +5Vsb, 2.5A	+5V, 20A (0.5A min) +3.3V, 20A (0.3A min) +12V1, 16A (1A min) +12V2, 16A (1A min) -12V@0.5A +5Vsb@2.5A (1A min)
MTBF (hours)	AT 25° C 100,000h	AT 25° C 100,000h	AT 25° C 100,000h	AT 25° C 100,000h
Safety	CB, TUV, CE, FCC, C-TICK, CUL, UL, CCC	TUV, CSA22.2 NO.60950-1, IEC, UL, NEMKO, CE	UL, CSA, CE, FCC	TUV, CSA22.2 NO.60950-1, IEC, UL, NEMKO+CB, CE
Dimensions	150 x 81.5 x 40.5 mm	150 x 81.5 x 40.5 mm	150 x 140 x 86 mm	150 x 140 x 74 mm
Compatible with Axiomtek models	AX61120, AX60530	AX61120, AX60530	AX61221, AX61222, AX60501, AX60551, AX61400, AX60552, AX61220, AX6156LE, AX61492	AX61221, AX61222, AX60501, AX60551, AX60552, AX61400, AX6145, AX6156, AX61492



Features/Models	PS500-XP2	PS300-HRP	PS400-HRP
Type	PS/2 Type	Mini Redundant Power	Mini Redundant Power
Power Wattage	ATX 500W	ATX 300W	ATX 400W
Input Requirement	90 ~ 265 VAC Full Range	90 ~ 264 VAC Full Range	90 ~ 264VAC Full Range
Output Range	+5V, 24A (0.3A min) +3.3V, 24A (0.5A min) +12V, 34A (1A min) +12V1, 17A (1A min) +12V2, 17A (1A min) -12V, 0.8A +5Vsb, 2.5A	+5V, 25A (3A min) +3.3V, 18A (1A min) +12V, 16A (2A min) -12V, 0.5A -5V, 0.5A +5Vsb, 2A (0.1A min)	+5V, 35A (3A min) +3.3V, 25A (1A min) +12V, 28A (2A min) -12V, 1.2A -5V, 0.5A +5Vsb, 2A (0.1A min)
MTBF (hours)	AT 25° C 100,000h	100,000h	100,000h
Safety	TUV, CUL, CB, IEC60950-1, GB4943-2001, UL60950-1, EN60950-1	UL, UL+C, TUV, CB, CE	UL, UL+C, TUV, CB, CE
Dimensions	150 x 140 x 86 mm	185 x 150 x 86 mm	185 x 150 x 86 mm
Compatible with Axiomtek models	AX61221, AX61222, AX60501, AX60551, AX60552, AX61400, AX6145, AX6156, AX61492	AX6156LE, AX61220	AX6156LE



Features/Models	PS500-HRP	PS501 HRP	PS401-HRP
Type	Mini Redundant power	Mini Redundant power	PS/2*2 Redundant power
Power Wattage	ATX 500W	ATX 500W	ATX 400W
Input Requirement	100 ~ 240VAC Full Range	100 ~ 240VAC Full Range	100 ~ 240VAC Full Range
Output Range	+5V, 25A (1A min) +3.3V, 25A (1A min) +12V, 41A (1A min) -12V, 0.8A +5Vsb@3.5A (0.1A min)	+5V, 25A +3.3V, 25A +12V, 41A -12V, 0.8A +5Vsb@3.5A	+5V, 35A (5A min) +3.3V, 28A (1A min) +12V, 20A (2.5A min) -12V, 1A -5V, 0.8A +5Vsb@2A (0.1A min)
MTBF (hours)	AT 25° C 100,000h	AT 25° C 100,000h	100,000h
Safety	UL, TUV, CB, CCC, RFI/EMI Standard, FCC Class B, CISPR22, Class B	CB, CCC, UL, TUV, CE, FCC	UL, CSA, TUV, CE
Dimensions	185 x 150 x 186 mm	185 x 150 x 86 mm	183 x 167 x 187.8 mm
Compatible with Axiomtek models	AX61492	AX6156LE, AX61220	AX61492

Peripherals & Accessories

AX69178

1U 17" LCD Rackmount Monitor/Keyboard Drawer with 8-port KVM

- Industrial level input device for space-critical environments
- 17" TFT LCD display supports SXGA (1280 x 1024) resolution
- Compact design, only 550 mm depth
- LED display for status indicating grade
- Integrated keyboard/touchpad
- OSD function (On Screen Display) for LCD display
- Built-in power supply
- Knob lock and slide rail lock
- Tempered glass to protect LCD panel



AX69158

1U 15" LCD Rackmount Monitor/Keyboard Drawer with 8-port KVM

- Industrial level input device for space-critical environments
- 15" TFT LCD display supports XGA (1024 x 768) resolution
- Compact design, only 492 mm depth
- LED display for status indicating grade
- Integrated keyboard/touchpad
- OSD function (On Screen Display) for LCD display
- Built-in power supply
- Knob lock and slide rail lock
- Tempered glass to protect LCD panel



AX7042

1U Keyboard Drawer with Touch Pad

- 19" rackmount drawer meets the EIA RS-310C standard
- Integrated keyboard and designed touch pad for easy of operation
- Compact and slim size design with 119-key layout
- High quality rubber-membrane key switch
- Drawer standard color: Beige or Black
- Keyboard standard color: Black (English only)
- Rugged slide rail and USB cable for keyboard and touch pad



AX7300T

5.25" Multiple Drives with USB, K/B and M/S Ports



Accessories

59386831020E

SATA2 HDD lockable cable, 180D to 180D, L: 500 mm



59461560040E

SATA2 HDD lockable cable, 90D to 180D, L: 650 mm



593836A0030E

4-pin power cable to SATA x 2 L=150 m (RC)



5938A808010E

2-port USB cable (190 mm)



59383600000E

Audio cable



59380000290E

PS/2 keyboard & mouse cable with bracket



SOHO Network Appliances



Features \ Models		NA345	NA343	NA342
Form Factor		1U Desktop	1U Desktop	1U Desktop
Processor		Intel® Apollo Lake Pentium® N4200 (4C, up to 2.5 GHz) /Intel® Apollo Lake Celeron® N3350 (2C, up to 2.4 GHz)	Intel® Braswell Celeron® N3160 (4C, up to 2.24 GHz) /Intel® Braswell Celeron® N3060 (2C, up to 2.48 GHz)	Intel® Celeron® J1900 (4C, up to 2.42 GHz)
Chipset		SoC Integrated	SoC Integrated	SoC Integrated
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory				
Technology		DDR3L-1866	DDR3L-1600	DDR3L-1333
Max Capacity		Up to 8GB non-ECC	Up to 8GB non-ECC	Up to 8GB non-ECC
Socket		1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM
Network Interface				
Ethernet		4 x 10/100/1000 Mbps (6 ports by request)	4 x 10/100/1000 Mbps (6 ports by request)	4 x 10/100/1000 Mbps (6 ports by request)
LAN Bypass		2 pairs (optional)	1 pair (optional)	2 pairs (optional)
Controllers		Intel® i211	Intel® i211	Intel® i211
LAN Module		N/A	N/A	N/A
Storage				
HDD		1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
CompactFlash™ / CFast™ /mSATA		1 x mSATA	1 x CFast™	1 x CompactFlash™
I/O				
USB		2 x USB 3.0	2 x USB 3.0	1 x USB 2.0, 1 x USB 3.0
Console		1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		12V/5A	12V/5A	12V/5A
Expansion		1 x PCIe Mini Card (USB interface)	1 x PCIe Mini Card (USB interface)	1 x PCIe Mini Card (USB interface)
VGA/HDMI		Pin-header	Pin-header	Pin-header
Fanless		N/A	N/A	N/A
Operating Temperature		0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)
LCD Module		N/A	N/A	N/A
OS Support		Win10, Linux	Win8, Linux	Win7, Win7S, Win8, Win8S, Linux
Dimensions (H x W x D)		44 x 231.9 x 152 mm (1.73" x 9" x 5.98")	44 x 231.9 x 152 mm (1.73" x 9" x 5.98")	44 x 231.9 x 152 mm (1.73" x 9" x 5.98")
Certificates		CE/FCC	CE/FCC	CE/FCC



Features \ Models		NA362	NA361	NA130	NA110
Form Factor		1U Desktop	1U Desktop	1U Desktop	1U Slim Type
Processor		Intel® Atom™ C3538/C3758 (Denverton)	Intel® Atom™ C2358 (2C, up to 1.7 GHz) (NA361FL by request)	AMD G-series LX processor	AMD G-series T24L
Chipset		SoC Integrated	SoC Integrated	SoC Integrated	AMD A50M
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory	Technology	DDR4-2400	DDR3-1600	DDR3L-1600	DDR3L-1600
	Max Capacity	Up to 64/128GB non-ECC/ECC	Up to 16GB non-ECC/ECC	Up to 8GB non-ECC	Up to 4GB non-ECC
	Socket	4 x 288-pin R-DIMM/U-DIMM	2 x 240-pin U-DIMM	1 x 204-pin SO-DIMM	1 x 204-pin SO-DIMM
Network Interface	Ethernet	6 x 10/100/1000 Mbps 4 x SFP+	6 x 10/100/1000 Mbps	4 x 10/100/1000 Mbps (6 ports by request)	4 x 10/100/1000 Mbps
	LAN Bypass	1 pair (optional)	2 pairs (optional)	1 pair (optional)	1 pair (optional)
	Controllers	Intel® i210	Intel® i354 & i210	Realtek 8111G	Realtek 8111E
	LAN Module	N/A	N/A	N/A	N/A
Storage	HDD	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
	CompactFlash™ / CFast™ / mSATA	1 x mSATA	1 x CompactFlash™	1 x mSATA	1 x CompactFlash™
I/O	USB	2 x USB 2.0	2 x USB 2.0	1 x USB 3.0 1 x USB 2.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	USB 2.0	1 x DB9
Power Supply		12V/5A or 7A	12V/5A	12V/5A	12V/5A
Expansion		1 x PCIe Mini Card (PCIe interface)	1 x PCIe Mini Card (USB interface)	1 x PCIe Mini Card (USB interface)	1 x PCIe Mini Card
VGA/HDMI		VGA module (optional)	N/A	VGA pin-header	PCIe Mini VGA module (optional)
Fanless		N/A	N/A	N/A	Yes
Operating Temperature		0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)
LCD Module		N/A	N/A	N/A	N/A
OS Support		Yocto, Linux, Windows® Server 2012 R2, Windows® 2016	Yocto, Linux	Win7, Win10 Cent OS 6.8 Ubuntu 16.10 FreeBSD 10.1	Linux Kernel 2.6
Dimensions (H x W x D)		44 x 231 x 197 mm (1.73" x 9.09" x 7.76")	44 x 231 x 197 mm (1.73" x 9.09" x 7.76")	44 x 231.9 x 152 mm (1.73" x 9" x 5.98")	30 x 230 x 151.5 mm (1.18" x 9.05" x 5.96")
Certificates		CE/FCC	CE/FCC	CE/FCC	CE/FCC

SMB Network Appliances



Features \ Models		NA860	NA850	NA551
Form Factor		2U, 19" Rackmount	2U, 19" Rackmount	2U, 19" Rackmount
Processor		LGA3647 Intel® Skylake server	LGA2011 Intel® Xeon® E5-2600 v3	LGA1155 Intel® Xeon® E3/ Core™ family
Chipset		Intel® C621	Intel® C612	Intel® C216
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory	Technology	DDR4-2400	DDR4-2133	DDR3-1333
	Max Capacity	Up to 384GB non-ECC/ECC	Up to 512GB non-ECC/ECC	Up to 32GB non-ECC/ECC
	Socket	12 x 288-pin R-DIMM	16 x 288-pin R-DIMM	4 x 240-pin U-DIMM
Network Interface	Ethernet (default)	2 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps	14 x 10/100/1000 Mbps
	Ethernet (max.)	66 x 10/100/1000 Mbps	42 x 10/100/1000 Mbps	26 x 10/100/1000 Mbps
	LAN Bypass	Depends on LAN module	Depends on LAN module	Depends on LAN module
	LAN Module	8 NIC slots (Dual CPUs) 4 NIC slots (Single CPU)	5 NIC slots (Dual CPUs) 3 NIC slots (Single CPU)	3 NIC slots
Storage	HDD	2 x 2.5" HDD (hot swappable)	2 x 3.5" HDD (hot swappable)	2 x 3.5" HDD (hot swappable)
	CompactFlash™ / CFast™ / mSATA	1 x mSATA	1 x CompactFlash™	1 x CFast™
I/O	USB	2 x USB 3.0	2 x USB 3.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		800W 2U Redundant	650W 2U Redundant	300W 2U Redundant
Expansion		1 x PCIe x16	2 x PCIe x16 (optional)	1 x PCIe Mini (32-bit/33 MHz)
VGA		Yes	Yes	Yes
Operating Temperature		0°C ~ +40°C (+32°F ~ +104°F)	0° ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
LCD Module		Yes	Yes	Yes
OS Support		Linux Kernel	Linux Kernel	Linux Kernel 2.6
Dimensions (H x W x D)		88 x 430 x 600 mm (3.46" x 16.93" x 23.65")	88 x 430 x 550 mm (3.46" x 16.93" x 21.65")	88 x 427.8 x 500 mm (3.46" x 16.92" x 19.68")
Certificates		CE/FCC	CE/FCC	CE/FCC



Features \ Models		NA580	NA570/NA570L	NA560/560L	NA552
Form Factor		1U, 19" Rackmount	1U, 19" Rackmount	1U, 19" Rackmount	1U, 19" Rackmount
Processor		LGA1151 Intel® Xeon® E3/ Core™ family	LGA1150 Intel® Xeon® E3/ Core™ family	LGA1155 Intel® Xeon® E3/ Core™ family	LGA1155 Intel® Xeon® E3/ Core™ family
Chipset		Intel® C236/H110	Intel® C226/H81	Intel® B65/H61	Intel® C216
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory	Technology	DDR4-2400	DDR3-1600	DDR3-1333	DDR3-1333
	Max Capacity	Up to 64GB non-ECC/ECC	Up to 32GB non-ECC/ECC	Up to 32GB non-ECC/ECC	Up to 32GB non-ECC/ECC
	Socket	4 x 288-pin R-DIMM (Intel® C236) 2 x 288-pin R-DIMM (Intel® H110)	4 x 240-pin U-DIMM (Intel® C226) 2 x 240-pin U-DIMM (Intel® H81)	4 x 240-pin U-DIMM (Intel® B65) 2 x 240-pin U-DIMM (Intel® H61)	4 x 240-pin U-DIMM
Network Interface	Ethernet (default)	8 x 10/100/1000 Mbps (Intel® C236) 6 x 10/100/1000 Mbps (Intel® H110)	8 x 10/100/1000 Mbps	8 x 10/100/1000 Mbps (Intel® B65) 6 x 10/100/1000 Mbps (Intel® H61)	18 x 10/100/1000 Mbps
	Ethernet (max.)	18 x 10/100/1000 Mbps	24 x 10/100/1000 Mbps	8 x 10/100/1000 Mbps	26 x 10/100/1000 Mbps
	LAN Bypass	2 pairs	2 pairs	2 pairs	Depend on LAN module
	LAN Module	1 NIC slot	2 NIC slots (NA570) 1 NIC slot (NA570L)	N/A	3 NIC slots
Storage	HDD	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)
	CompactFlash™ / CFast™ / mSATA	1 x CFast™ 1 x mSATA	1 x CompactFlash™	1 x CompactFlash™	1 x CFast™
I/O	USB	2 x USB 3.0	2 x USB 3.0	2 x USB 2.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		270W ATX power 280W 1U Redundant (optional)	270W ATX power 200W 1U Redundant (optional)	270W ATX power	270W ATX power 280W 1U Redundant (optional)
Expansion		1 x PCIe x8 (Intel® C236 only)	1 x PCIe x8 (optional by NA570)	1 x PCIe Mini 1 x PCIe x8 (optional)	1 x PCIe x4 (optional)
VGA		Pin-header	Pin-header	Pin-header	Pin-header
Operating Temperature		0°C ~ +45°C (+32°F ~ +113°F) (270W ATX power) 0°C ~ +40°C (+32°F ~ +104°F) (280 W 1U Redundant)	0°C ~ +45°C (+32°F ~ +113°F) (270W ATX power) 0°C ~ +40°C (+32°F ~ +104°F) (200 W 1U Redundant)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
LCD Module		Yes	Yes	Yes	Yes
OS Support		Linux Kernel	Linux Kernel	Linux Kernel 2.6	Linux Kernel
Dimensions (H x W x D)		44 x 430 x 450 mm (1.73" x 16.93" x 17.7")	44 x 430 x 450 mm (NA570) (1.73" x 16.93" x 17.7") 44 x 430 x 392 mm (NA570L) (1.73" x 16.93" x 15.43")	44 x 430 x 392 mm (1.73" x 16.93" x 15.43")	44 x 430 x 450 mm (1.73" x 16.93" x 17.7")
Certificates		CE/FCC	CE/FCC	CE/FCC	CE/FCC

SMB Network Appliances



Features \ Models		NA720	NA362R	NA361R
Form Factor		1U, 19" Rackmount	1U, 19" Rackmount	1U, 19" Rackmount
Processor		Intel® Xeon® D-1527 Intel® Pentium® D1508	Intel® Atom™ C3000	Intel® Atom™ C2558 or C2758
Chipset		SoC Integrated	SoC Integrated	SoC Integrated
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory	Technology	DDR4-2400	DDR4-2400	DDR3-1600
	Max Capacity	Up to 128GB non-ECC/ECC	Up to 128GB non-ECC/ECC	Up to 32GB non-ECC/ECC
	Socket	4 x 288-pin R-DIMM/U-DIMM	4 x 288-pin R-DIMM/U-DIMM	4 x 240-pin U-DIMM
Network Interface	Ethernet (default)	8 x 10/100/1000 Mbps 2 x 10 GbE SFP+	6 x 10/100/1000 Mbps 4 x 10G SFP+	6 x 10/100/1000 Mbps
	Ethernet (max.)	26 x 10/100/1000 Mbps	6 x 10/100/1000 Mbps 4 x 10G SFP+	14 x 10/100/1000 Mbps
	LAN Bypass	2 pairs	1 pair	2 pairs
	LAN Module	2 NIC slots	N/A	1 NIC slot
	HDD	2 x 2.5" HDD	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)
Storage		CompactFlash™ / CFast™ / mSATA	1 x mSATA	1 x CompactFlash™
I/O	USB	2 x USB 3.0	2 x USB 2.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		270W ATX 280W 1U Redundant (optional)	84W open frame	84W open frame
Expansion		1 x PCIe x8 (optional)	N/A	N/A
VGA		Pin header	N/A	N/A
Operating Temperature		0°C ~ +45°C (+32°F ~ +113°F)	0° ~ +45°C (+32°F ~ +113°F)	0°C ~ 45°C (+32°F ~ +113°F)
LCD Module		Yes	Yes	Yes
OS Support		Linux Kernel	Yocto, Linux	Yocto, Linux
Dimensions (H x W x D)		44 x 430 x 391 mm (1.73" x 16.93" x 15.39")	44 x 430 x 250 mm (1.73" x 16.93" x 9.84")	44 x 430 x 250 mm (1.73" x 16.93" x 9.84")
Certificates		CE/FCC	CE/FCC	CE/FCC



Features \ Models		NA345R	NA343R	NA342R
Form Factor		1U, 19" Rackmount	1U, 19" Rackmount	1U, 19" Rackmount
Processor		Intel® Celeron® N3350 or Intel® Atom™ x5-E3940 (4C, up to 1.8 GHz)	Intel® Celeron® N3160 (4C, up to 2.24 GHz)	Intel® Celeron® J1900 (4C, up to 2.42 GHz)
Chipset		SoC Integrated	SoC Integrated	SoC Integrated
BIOS		AMI SPI Flash BIOS	AMI SPI Flash BIOS	AMI SPI Flash BIOS
Memory	Technology	DDR3L-1866	DDR3L-1600	DDR3L-1333
	Max Capacity	Up to 8GB non-ECC	Up to 8GB non-ECC	Up to 8GB non-ECC
	Socket	1 x 240-pin SO-DIMM	1 x 240-pin SO-DIMM	1 x 240-pin SO-DIMM
Network Interface	Ethernet (default)	6 x 10/100/1000 Mbps	6 x 10/100/1000 Mbps	6 x 10/100/1000 Mbps
	Ethernet (max.)	6 x 10/100/1000 Mbps	6 x 10/100/1000 Mbps	6 x 10/100/1000 Mbps
	LAN Bypass	1 pair	1 pair	1 pair
	LAN Module	N/A	N/A	N/A
Storage	HDD	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
	CompactFlash™ / CFast™ / mSATA	1 x mSATA	1 x CFast™	1 x CompactFlash™
	USB	2 x USB 3.0	2 x USB 3.0	1 x USB 3.0 1 x USB 2.0
I/O	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		65W open frame	65W open frame	65W open frame
Expansion		N/A	N/A	N/A
VGA		1 x HDMI	Pin-header	Pin-header
Temperature		0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
LCD Module		N/A	N/A	N/A
OS Support		Win 10, Linux (Yocto project)	Win7, WES7, Win8, WE8S, Linux	Win7, WES7, Win8, WE8S, Linux
Dimensions (H x W x D)		44 x 430 x 250 mm (1.73" x 16.93" x 9.54")	44 x 430 x 250 mm (1.73" x 16.93" x 9.54")	44 x 430 x 250 mm (1.73" x 16.93" x 9.54")
Certificates		CE/FCC	CE/FCC	CE/FCC

LAN Modules



Slim Module	Ports	Ethernet Controller	LAN Bypass	NA860	NA850	NA720	NA580	NA570	NA552	NA362R	NA361R
40GbE Fiber											
AX93331-2QFI	2	Intel® XL710	0	✓	✓	✓	✓	✓	✓	✓	✓
25GbE Fiber											
AX93332-25FI	2	Intel® XXV710	0	✓	✓	✓	✓	✓	✓	✓	✓
10GbE Fiber											
AX93307-2FI	2	Intel® 82599ES	0	✓	✓	✓	✓	✓	✓	✓	✓
AX93307-2FIL	2	Intel® 82599ES	1	✓	✓	✓	✓	✓	✓	✓	✓
AX93327-4FI	4	XL710	0	✓	✓	✓	✓	✓	✓	✓	✓
10GbE Copper											
AX93317-2GIL	2	Intel® X540	1	✓	✓	✓	✓	✓	✓	✓	✓
GbE Mix											
AX93322-8MIL	8	Intel® 82580EB	2	✓	✓	✓	✓	✓	✓	✓	✓
GbE Fiber											
AX93322-8FI	8	Intel® 82580EB	0	✓	✓	✓	✓	✓	✓	✓	✓
AX93336-4FI	4	Intel® i350	0	✓	✓	✓	✓	✓	✓	✓	✓
GbE Copper											
AX93316-8GI	8	Intel® 82580EB	0	✓	✓	✓	✓	✓	✓	✓	✓
AX93316-8GIL	8	Intel® 82580EB	4	✓	✓	✓	✓	✓	✓	✓	✓
AX93326-8GIL	8	Intel® i210	4	✓	✓	✓	✓			✓	✓
AX93336-4GIL	4	Intel® i350	2	✓	✓	✓	✓	✓	✓	✓	✓
AX93336-4GI	4	Intel® i211	0	✓	✓	✓	✓	✓	✓	✓	✓



Wide Module	Ports	Ethernet Controller	LAN Bypass	NA550	NA551
GbE Copper					
AX93306-4GI	4	Intel® 82580DB	0	✓	✓
AX93306-4GIL	4	Intel® 82580DB	2	✓	✓
AX93306-8GI	8	Intel® 82580DB	0	✓	✓
AX93306-8GIL	8	Intel® 82580DB	2	✓	✓
GbE Fiber					
AX93306-4FI	4	Intel® 82580DB	0	✓	✓
AX93312-8FI	8	Intel® 82580DB	0	✓	✓
GbE Mix					
AX93306-8MI	8	Intel® 82580DB	0	✓	✓
AX93306-8MIL	8	Intel® 82580DB	2	✓	✓

Slim Type GbE LAN Modules

GbE Copper Modules



AX93316-8GI

Ethernet Controller: Intel® 82580EB
Interface: 8 x RJ-45
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8



AX93316-8GIL

Ethernet Controller: Intel® 82580EB
Interface: 8 x RJ-45
LAN Bypass: 4 x LAN Bypass
Extension Bus: 1 x PCIe x8



AX93326-8GIL

Ethernet Controller: Intel® i210
Interface: 8 x RJ-45
LAN Bypass: 4 x LAN Bypass
Extension Bus: 1 x PCIe x8



AX93336-4GIL

Ethernet Controller: Intel® i350
Interface: 4 x RJ-45
LAN Bypass: 2 x LAN Bypass
Extension Bus: 1 x PCIe x8



AX93336-4GI

Ethernet Controller: Intel® i211
Interface: 4 x RJ-45
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8

GbE Fiber Modules



AX93322-8FI

Ethernet Controller: Intel® 82580EB
Interface: 8 x SFP
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8



AX93336-4FI

Ethernet Controller: Intel® i350
Interface: 4 x SFP
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8

GbE Mix Modules



AX93322-8MIL

Ethernet Controller: Intel® 82580EB
Interface: 4 x RJ-45 + 4 x SFP
LAN Bypass: 2 x LAN Bypass
Extension Bus: 1 x PCIe x8

Slim Type 10GbE LAN Modules

40GbE Fiber Modules

AX93331-2QFI

Ethernet Controller: Intel® XL710
Interface: 2 x 40 GbE QSFP+
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8
Standard PCIe x8 (optional)

Coming soon

25GbE Fiber Modules

AX93332-25FI

Ethernet Controller: Intel® XXV710
Interface: 2 x 25 GbE SFP28
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8
Standard PCIe x8 (optional)

Coming soon

10GbE Fiber Modules

AX93307-2FI

Ethernet Controller: Intel® 82599ES
Interface: 2 x 10 GbE SFP+
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8
Standard PCIe x8 (optional)



AX93307-2FIL

Ethernet Controller: Intel® 82599ES
Interface: 2 x 10 GbE SFP+
LAN Bypass: 1 x LAN Bypass
Extension Bus: 1 x PCIe x8
Standard PCIe x8 (optional)



AX93327-4FI

Ethernet Controller: Intel® XL710
Interface: 4 x 10 GbE SFP+
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8
Standard PCIe x8 (optional)



10GbE Copper Modules

AX93317-2GIL

Ethernet Controller: Intel® X540
Interface: 2 x 10 GbE BaseT Copper
LAN Bypass: 1 x LAN Bypass
Extension Bus: 1 x PCIe x8
Standard PCIe x8 (optional)



WideType GbE LAN Modules

GbE Copper Modules



AX93306-4GI

Ethernet Controller: Intel® 82580DB
Interface: 4 x RJ-45
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8



AX93306-4GIL

Ethernet Controller: Intel® 82580DB
Interface: 4 x RJ-45
LAN Bypass: 2 x LAN Bypass
Extension Bus: 1 x PCIe x8



AX93306-8GI

Ethernet Controller: Intel® 82580DB
Interface: 8 x RJ-45
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8



AX93306-8GIL

Ethernet Controller: Intel® 82580DB
Interface: 8 x RJ-45
LAN Bypass: 2 x LAN Bypass
Extension Bus: 1 x PCIe x8

GbE Fiber Modules



AX93306-4FI

Ethernet Controller: Intel® 82580DB
Interface: 4 x SFP
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8



AX93312-8FI

Ethernet Controller: Intel® 82580DB
Interface: 8 x SFP
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8

GbE Mix Modules



AX93306-8MI

Ethernet Controller: Intel® 82580DB
Interface: 4 x RJ-45 + 4 x SFP
LAN Bypass: N/A
Extension Bus: 1 x PCIe x8



AX93306-8MIL

Ethernet Controller: Intel® 82580DB
Interface: 4 x RJ-45 + 4 x SFP
LAN Bypass: 2 x LAN Bypass
Extension Bus: 1 x PCIe x8

Add-on Cards

Network Security Card

The NAE580/581 is a high performance VPN acceleration NIC module with Intel® 8950 chipset (called Coletto Creek). The 89XX chipset provides hardware-based acceleration technology (Intel® QuickAssist Technology) in off-loading crypto/decrypto. It's ideal for high-end security appliances, such as network optimization appliance, VPN, UTM and NGFW (Next Generation Firewall).



▲ NAE581



▲ NAE580

NAE580/581	8950 (Coletto Creek)
Intel® QuickAssist Technology Capability (Gbps)	50G
IPSec (Gbps)	43G
SSL (Gbps)	49G
Compression (Gbps)	20G
Kasumi/Snow3G (Gbps)	30G
RSA Decrypt 1k-bit key (ops/sec)	165K
RSA Decrypt 2k-bit key (ops/sec)	35K
Thermal Design Power (Watt)	20W
PCI Express Gen 2.0 Endpoint	x16 (NAE581) x8 (NAE580)

* Available Models: NA570, NA850, NA580, NA860

IPMI (Intelligent Platform Management Interface)

IPMI specification is an Intel® lead standard. The AX93338 follows IPMI 2.0 spec. System administrators can remotely monitor system health and manage the system using Web page or KVM. The AX93338 operates independently operating system allowing administrators to manage system remotely even the device failure.



▲ AX93338

AX93338
ASPEED 2500 BMC
IPMI 2.0 Remote Control Solution
OS Independent Hardware-base Solution
Real-time and Centralized Management
KVM over IP Remote Control Function
Controls Server Power (power on/off/reset)

* Available Models: NA580

PCI Express PoE Cards

The AX93330 PoE (Power over Ethernet) card supports 4 independent 10/100/1000BaseT 802.3AT compliant Ethernet ports. It provides 48VDC at PoE ports and has wide temperature from -40°C ~ +85°C on module. It allows power to be supplied to connect devices that allows IP telephones, wireless LAN Access Points and security network cameras.



▲ AX93330

AX93330
Standard PCIe x4 interface for optional
4 Independent Gigabit Ethernet ports (Intel® i210IT)
IEEE802.3AT for Power over Ethernet

* Available Models: NA360, NA552, NA570, NA580, NA850, NA860

Fanless Touch Panel Computers



Features/Models	GOT5152T-845	GOT5153W-845	GOT5153W-834
CPU Level	Intel® Celeron® processor N3060 (up to 2.48 GHz)	Intel® Celeron® processor N3060 (up to 2.48 GHz)	Intel® Celeron® J1900
Chipset	SoC Integrated	SoC Integrated	SoC Integrated
System Memory	1 x 204-pin DDR3L-1866 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1866 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333 MHz SO-DIMM, up to 8GB
Display	15" XGA TFT LCD, 450 nits	15.6" WXGA TFT LCD, 300 nits	15.6" WXGA TFT, 300 nits
I/O	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x HDMI 1 x switch for power on/off 1 x AT/ATX mode selection 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 2 x 10/100/1000 Mbps Ethernet	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x HDMI 1 x switch for power on/off 1 x AT/ATX mode selection 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 2 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (COM 1/2) 2 x 10/100/1000 Mbps Ethernet 1 x switch for power on/off 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 1 x VGA
Storage	1 x 2.5" SATA HDD 1 x mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA
Expansion Interface	2 x PCIe Mini Card	2 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	5-wire resistive touch	Projected capacitive multi-touch 5-wire flat resistive type	Projected capacitive multi-touch 5-wire flat resistive type
Operating System	Windows® 7, Windows® 8.1 (64-bit), Windows® 10	Windows® 7, Windows® 8.1 (64-bit), Windows® 10	Windows® 8.1, WEBS, Windows® 7, WES 7
Power Supply	24 VDC 100 ~ 240 VAC, 60W adapter	24 VDC 100 ~ 240 VAC, 60W adapter	9 ~ 36 VDC 100 ~ 240 VAC, 60W adapter
Power Consumption	32W	32W	36W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	387.9 x 54.6 x 307.7 mm (15.27" x 2.14" x 12.11")	394.2 x 57 x 257.2 mm (15.53" x 2.25" x 10.13")	394.2 x 57 x 257.2 mm (15.53" x 2.25" x 10.13")
Weight (net/gross)	3.2 kg (7.05 lb)/5.1 kg (11.24 lb)	3.0 kg (6.61 lb)/4.5 kg (9.92 lb)	3.0 kg (6.61 lb)/4.5 kg (9.92 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +45°C (+32°F ~ +113°F)
Certificate	CE	CE	CE

Fanless Touch Panel Computers



Features/Models	GOT5152T-834	GOT5120T-845	GOT5120T-834
CPU Level	Intel® Celeron® J1900	Intel® Celeron® N3060 (up to 2.48 GHz)	Intel® Celeron® J1900
Chipset	SoC Integrated	SoC Integrated	SoC Integrated
System Memory	1 x 204-pin DDR3L-1333 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333 MHz SO-DIMM, up to 8GB
Display	15" XGA TFT, 420 nits	12.1" XGA TFT, 500 nits 12.1" SVGA TFT, 450 nits	12.1" XGA TFT, 500 nits 12.1" SVGA TFT, 450 nits
I/O	3 x RS-232/422/485 (COM 1/2/3) 2 x 10/100/1000 Mbps Ethernet 1 x switch for power on/off 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 1 x VGA	1 x RS-232 (COM 2) 1 x RS-232-422-485 (COM 1) 1 x HDMI 1 x 8-bit DIO port (programmable, DB9) 1 x switch for power on/off 1 x AT/ATX mode selection switch 2 x USB 2.0 2 x USB 3.0 1 x audio (Line-out) 2 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (COM 1/2) 2 x 10/100/1000 Mbps Ethernet 1 x switch for power on/off 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 1 x VGA
Storage	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" SATA HDD 1 x mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA
Expansion Interface	2 x PCIe Mini Card	2 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	5-wire resistive type	5-wire resistive touch	5-wire resistive type
Operating System	Windows® 8.1, WEBS, Windows® 7, WES 7	Windows® 7, Windows® 8.1 (64-bit), Windows® 10	Windows® 8.1, WEBS, Windows® 7, WES 7
Power Supply	9 ~ 36 VDC 100 ~ 240 VAC, 60W adapter	24 VDC 100 ~ 240 VAC, 60W adapter	9 ~ 36 VDC 100 ~ 240 VAC, 60W adapter
Power Consumption	36W	34W	32W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	387.9 x 54.6 x 307.7 mm (15.27" x 2.14" x 12.11")	327.5 x 52.5 x 261.8 mm (12.9" x 2.07" x 10.3")	327.5 x 52.5 x 261.8 mm (12.9" x 2.07" x 10.3")
Weight (net/gross)	3.2 kg (7.05 lb)/5.1 kg (11.24 lb)	2.48 kg (5.46 lb)/3.84 kg (8.46 lb)	2.48 kg (5.46 lb)/3.84 kg (8.46 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)
Certificate	CE	CE	CE



Features/Models	GOT5100T-845	GOT5100T-834	GOT5103W-845
CPU Level	Intel® Celeron® N3060 (up to 2.48 GHz)	Intel® Celeron® J1900	Intel® Celeron® N3060 (up to 2.48 GHz)
Chipset	SoC Integrated	SoC Integrated	SoC Integrated
System Memory	1 x 204-pin DDR3L-1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1600 MHz SO-DIMM, up to 8GB
Display	10.4" XGA TFT, 350 nits 10.4" SVGA TFT, 400 nits	10.4" XGA TFT, 350 nits 10.4" SVGA TFT, 400 nits	10.1" WXGA TFT, 350 nits
I/O	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x HDMI 1 x switch for power on/off 1 x AT/ATX mode selection switch 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 2 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (COM 1/2) 2 x 10/100/1000 Mbps Ethernet 1 x switch for power on/off 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out)	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 1 x HDMI 1 x switch for power on/off 1 x AT/ATX mode selection switch
Storage	1 x 2.5" SATA HDD 1 x mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x half-slim SATA SSD (optional) 1 x mSATA
Expansion Interface	2 x PCIe Mini Card	2 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	5-wire resistive type	5-wire resistive type	Projected capacitive multi-touch
Operating System	Windows® 7, Windows® 8.1 (64-bit), Windows® 10	Windows® 8.1, WEBS, Windows® 7, WES 7	Windows® 10, Windows® 8.1, WEBS, Windows® 7, WES 7
Power Supply	24 VDC 100 ~ 240 VAC, 60W adapter	9 ~ 36 VDC 100 ~ 240 VAC, 60W adapter	24 VDC (optional) 100 ~ 240 VAC, 60W power adapter
Power Consumption	32W	32W	40.32W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	292.5 x 45.8 x 235.8 mm (11.52" x 1.80" x 9.28")	292.5 x 45.8 x 235.8 mm (11.52" x 1.80" x 9.28")	260.8 x 38 x 194.1 mm (10.27" x 1.50" x 7.65")
Weight (net/gross)	1.8 kg (3.96 lb)/3 kg (6.61 lb)	1.8 kg (3.96 lb)/3 kg (6.61 lb)	1.08 kg (2.38 lb)/2.18 kg (4.8 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)
Certificate	CE	CE	CE

Fanless Touch Panel Computers



Features/Models	GOT5840T-845	GOT5840T-834
CPU Level	Intel® Celeron® N3060 (up to 2.48 GHz)	Intel® Celeron® J1900
Chipset	SoC Integrated	SoC Integrated
System Memory	1 x 204-pin DDR3L-1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333 MHz SO-DIMM, up to 8GB
Display	8.4" SVGA TFT, 350 nits	8.4" SVGA TFT, 350 nits
I/O	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 1 x Audio (Line-out) 1 x HDMI 1 x switch for power on/off 1 x AT/ATX mode selection switch	2 x RS-232/422/485 (COM 1/2) 2 x 10/100/1000 Mbps Ethernet 1 x switch for power on/off 2 x USB 3.0 1 x Audio (Line-out) 1 x switch for power on/off
Storage	1 x mSATA	1 x CFast™ or mSATA
Expansion Interface	2 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	5-wire resistive type	5-wire resistive type
Operating System	Windows® 10, Windows® 8.1, WEBS, Windows® 7, WES 7	Windows® 8.1, WEBS, Windows® 7, WES 7
Power Supply	24 VDC (optional) 100 ~ 240 VAC, 60W power adapter	9 ~ 36 VDC 100 ~ 240 VAC, 60W power adapter
Power Consumption	25W	25W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	250.7 x 45.8 x 204.7 mm (9.87" x 1.80" x 8.06")	250.7 x 45.8 x 204.7 mm (9.87" x 1.80" x 8.06")
Weight (net/gross)	1.3 kg (2.87 lb)/2.25 kg (4.96 lb)	1.3 kg (2.87 lb)/2.25 kg (4.96 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)
Certificate	CE	CE

Heavy-duty Fanless Touch Panel Computers



Features/Models	GOT3217WL-845-PCT	GOT3217W-881-PCT	GOT3187W-881-PCT
CPU Level	Intel® Pentium® N3710 4C @1.6 GHz (up to 2.56 GHz)	4th Gen Intel® Core™ i7/i5/i3, Pentium® & Celeron®	4th Gen Intel® Core™ i7/i5/i3, Pentium® & Celeron®
Chipset	SoC Integrated	Intel® H81	Intel® H81
System Memory	1 x 204-pin DDR3L-1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3-1333/1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3-1333/1600 MHz SO-DIMM, up to 8GB
Display	21.5" FHD TFT, 250 nits	21.5" FHD TFT, 250 nits	18.5" WXGA TFT, 350 nits
I/O	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 1 x HDMI 1 x switch for power on/off 1 x AT/ATX mode selection switch 8 x DIO ports (programmable, DB15)	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Line out/1 x MIC-in 1 x HDMI	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Line out/1 x MIC-in 1 x HDMI
Storage	1 x 2.5" HDD 1 x mSATA	1 x 2.5" HDD 1 x CFast™ 1 x mSATA	1 x 2.5" HDD 1 x CFast™ 1 x mSATA
Expansion Interface	2 x PCIe Mini Card	2 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	10-point projected capacitive multi-touch	Projected capacitive multi-touch	Projected capacitive multi-touch
Operating System	Windows 10 (64-bit), Windows® 8.1, WEBS, Windows® 7, WES 7	Windows® 8.1, WEBS, Windows® 7, WES 7, Linux	Windows® 8.1, WEBS, Windows® 7, WES 7, Linux
Power Supply	24 VDC 100 ~ 240 V, AC-DC 60W power adapter	19 VDC with adapter	19 VDC with adapter
Power Consumption	49W	112W	109W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	547.6 x 58.5 x 339.0 mm (21.56" x 2.30" x 13.35")	547.6 x 339.0 x 89.0 mm (21.56" x 13.35" x 3.50")	460 x 89.5 x 285 mm (18.1" x 3.5" x 11.2")
Weight (net/gross)	7.6 kg (16.8 lb)/10.5 kg (23.1 lb)	7.1 kg (15.6 lb)/9.5 kg (20.94 lb)	6.3 kg (13.9 lb)/8.7 kg (19.18 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)
Wide Temperature	N/A	N/A	N/A
Certificate	CE	CE	CE

Heavy-duty Fanless Touch Panel Computers



Features/Models	GOT3187WL-834-PCT	GOT3187W-834-PCT	GOT3187W-111-PCT	GOT3177T-311-FR
CPU Level	Intel® Celeron® J1900 4C @2.0 GHz (up to 2.42 GHz)	Intel® Celeron® J1900 4C @2.0 GHz (up to 2.42 GHz)	AMD G series T56N 2C @ 1.65GHz	Intel® Pentium® N4200 4C @1.1GHz (up to 2.5GHz)
Chipset	SoC Integrated	SoC Integrated	AMD A50M FCH	SoC Integrated
System Memory	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 4 GB	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB
Display	18.5" WXGA TFT, 250 nits	18.5" WXGA TFT, 350 nits	18.5" WXGA TFT, 350 nits	17" SXGA TFT, 350 nits
I/O	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out)	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out)	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2) 2 x 10/100/1000 Mbps Ethernet 1 x VGA 4 x USB 2.0 1 x Audio (Line-out)	2 x RS-232/422/485 2 x RS-232 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x HDMI 2 x Audio (Line-out/Mic-in)
Storage	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x mSATA
Expansion Interface	2 x PCIe Mini Card	2 x PCIe Mini Card	1 x PCIe Mini Card	2 x PCIe Mini Card 1 x PCIe Half Card Flexible I/O
Touchscreen	Projected capacitive multi-touch	Projected capacitive multi-touch	Projected capacitive multi-touch	Flat resistive touch
Operating System	Windows® 8.1, WEBS, Windows® 7, WES 7	Windows® 8.1, WEBS, Windows® 7, WES 7	Windows® XP, XPe, Windows® 7, WES 7, Windows® 8, WEBS, Linux	Windows® 10 (64-bit)
Power Supply	9 ~ 36 VDC 12 VDC with 60W adapter	9 ~ 36 VDC	10 ~ 30 VDC 12 VDC with 60W adapter	9 ~ 36 VDC
Power Consumption	46W	49W	63W	TBD
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	460.8 x 58.5 x 285 mm (18.11" x 2.3" x 11.22")	460.8 x 58.5 x 285 mm (18.11" x 2.3" x 11.22")	460.8 x 58.5 x 285 mm (18.11" x 2.3" x 11.22")	398.0 x 84.0 x 330.4 mm (15.66" x 3.3" x 12.99")
Weight (net/gross)	5.8 kg (12.8 lb)/8.2 kg (18.1 lb)	5.8 kg (12.8 lb)/8.2 kg (18.1 lb)	5.4 kg (11.9 lb)/7.8 kg (17.2 lb)	TBD
Operating Temperature	0°C ~ +40°C (+32°F ~ +104°F)	-10°C ~ +50°C (+14°F ~ +122°F)	-10°C ~ +45°C (+14°F ~ +113°F)	-10°C ~ +50°C (+14°F ~ +122°F)
Wide Temperature	NA	Yes	Yes	Yes
Certificate	CE	CE	CE	CE



Features/Models	GOT317-502-FR	GOT317T-834-FR	GOT3157W-881-PCT
CPU Level	6th/7th Gen Intel® Core™ i7/i5/i3, Pentium® & Celeron®	Intel® Celeron® J1900 4C @2.0 GHz (up to 2.42 GHz)	4th Gen Intel® Core™ i7/i5/i3, Pentium® & Celeron®
Chipset	Intel® H110	SoC Integrated	Intel® H81
System Memory	2 x 260-pin DDR4-2133 MHz SO-DIMM non-ECC, up to 32GB	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3-1333/1600 MHz SO-DIMM, up to 8GB
Display	17" TFT, SXGA, 350 nits	17" TFT, SXGA, 350 nits	15.6" TFT, WXGA, 300 nits
I/O	4 x USB 3.0 2 x RJ-45 2 x RS-232/422/485 2 x HDMI 1 x Audio (Line-out)	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out)	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Line-out/1 x MIC-in 1 x HDMI
Storage	1 x 2.5" HDD 1 x mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" HDD 1 x CFast™ 1 x mSATA
Expansion Interface	2 x PCIe Mini Card	2 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	Projected capacitive multi-touch	Flat resistive type	Projected capacitive multi-touch
Operating System	Windows® 10 (64-bit)	Windows® 8.1, WE8S, Windows® 7, WES 7	Windows® 8.1, WE8S, Windows® 7, WES 7, Linux
Power Supply	19 ~ 24 VDC	9 ~ 36 VDC	19 VDC with 120W adapter
Power Consumption	TBD	50W	100W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	TBD	398.02 x 59.9 x 330.44 mm (15.64" x 2.36" x13.01")	396.8 x 89.5 x 247.1 mm (15.6" x 3.5" x 9.73")
Weight (net/gross)	TBD	4.8 kg (10.6 lb)/7.1 kg (15.67 lb)	5.5 kg (12.13 lb)/7.5 kg (16.53 lb)
Operating Temperature	0°C ~ +40°C (+32°F ~ +104°F)	-10°C ~ +50°C (+14°F ~ 122°F)	0°C ~ +40°C (+32°F ~ +104°F)
Wide Temperature	N/A	Yes	N/A
Certificate	CE	CE	CE

Heavy-duty Fanless Touch Panel Computers



Features/Models	GOT315-311-FR	GOT3157W-834-PCT	GOT3157W-111-PCT
CPU Level	Intel® Celeron® N3350 2C @1.1 GHz (up to 2.4 GHz)	Intel® Celeron® J1900 4C @2.0 GHz (up to 2.42 GHz)	AMD G series T56N 2C @ 1.65 GHz
Chipset	SoC Integrated	SoC Integrated	AMD A50M FCH
System Memory	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333/1600 MHz SO-DIMM, up to 8GB	1x 204-pin DDR3-1066/1333 MHz SO-DIMM, up to 4GB
Display	17" XGA TFT, 420 nits	15.6" WXGA TFT, 300 nits	15.6" WXGA TFT, 300 nits
I/O	2 x RS-232/422/485 2 x RS-232 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x HDMI 2 x Audio (Line-out/Mic-in)	2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out)	1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2) 2 x 10/100/1000 Mbps Ethernet 1x VGA 4 x USB 2.0 1 x Audio (Line-out)
Storage	1 x 2.5" HDD 1 x mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" HDD 1 x CompactFlash™
Expansion Interface	2 x PCIe Mini Card 1 x PCIe Half Card Flexible I/O	2 x PCIe Mini Card	1 x PCIe Mini Card
Touchscreen	Flat resistive touch	Projected Capacitive multi-touch	Projected Capacitive multi-touch
Operating System	Windows® 10 (64-bit)	Windows® 8.1, WE8S, Windows® 7, WES 7	Windows® XP, XPe, Windows® 7, WES 7, Windows® 8, WE8S, Linux
Power Supply	9 ~ 36 VDC	9 ~ 36 VDC	10 ~ 30 VDC 12 VDC with 60W adapter
Power Consumption	TBD	45W	51W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	TBD	396.8 x 59.4 x 247.1 mm (15.6" x 2.12" x 9.73")	396 x 53.9 x 247.1mm (15.6" x 2.12" x 9.73")
Weight (net/gross)	TBD	5.0 kg (11.02 lb)/7.0 kg (15.43 lb)	5.0 kg (11.02 lb)/7.0 kg (15.43 lb)
Operating Temperature	-10°C ~ +60°C (+14°F ~ +122°F)	-10°C ~ +50°C (+14°F ~ +122°F)	-10°C ~ +45°C (+14°F ~ +113°F)
Wide Temperature	Yes	Yes	Yes
Certificate	CE	CE	CE



Features/Models	GOT3156T-834	GOT3126T-834	GOT-3840TL
CPU Level	Intel® Atom™ E3827 2C @ 1.75 GHz	Intel® Atom™ E3827 2C @ 1.75 GHz	AMD LX800 500 MHz
Chipset	SoC Integrated	SoC Integrated	AMD LX + CS5536AD + ITE8888G
System Memory	1 x 204-pin DDR3-1333/1600 MHz SO-DIMM, up to 8GB	1 x 204-pin DDR3-1333/1600 MHz SO-DIMM, up to 8GB	1 x 200-pin DDR SO-DIMM, up to 1GB
Display	15" XGA TFT, 400 nits	12.1" XGA TFT, 600 nits	8.4 SVGA TFT, 250 nits
I/O	4 x RS-232/422/485 2 x 10/100/1000 Mbps 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out) 1 x VGA	3 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out) 1 x VGA	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 2 x 10/100 Mbps Ethernet 2 x USB 2.0 1 x PS/2 keyboard/mouse 1 x Audio (Line-out) 1 x VGA
Storage	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" HDD 1 x CFast™ or mSATA	1 x 2.5" HDD 1 x CompactFlash™
Expansion Interface	2 x PCIe Mini Card	2 x PCIe Mini Card	1 x MiniPCI 1 x PC/104
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operating System	Windows® 8.1, WEBS, Windows® 7, WES 7	Windows® 8.1, WEBS, Windows® 7, WES 7	Windows® XP, XPE, WinCE.NET
Power Supply	9 ~ 36 VDC	9 ~ 36 VDC	16 ~ 28 VDC
Power Consumption	40W	36W	48W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	377.9 x 60.7 x 309.3 mm (14.89" x 2.39" x 12.17")	311.5 x 56.9 x 250 mm (12.21" x 2.23" x 9.8")	280 x 69.3 x 200 mm (11.02" x 2.73" x 7.87")
Weight (net/gross)	4.2 kg (9.26 lb)/6.8 kg (14.99 lb)	2.8 kg (6.17 lb)/5 kg (11.02 lb)	3.5 kg (7.7 lb)/4.2 kg (9.26 lb)
Operating Temperature	-20°C ~ +55°C (-4°F ~ +131°F)	-20°C ~ +55°C (-4°F ~ +131°F)	0°C ~ +50°C (+32°F ~ +122°F)
Wide Temperature	Yes	Yes	Yes
Certificate	CE	CE	CE

Stainless Touch Panel Computers



Features/Models	GOT817L-511	GOT817-834	GOT815L-511
CPU Level	Intel® Core™ i5-7300U 2.6 GHz (Kaby Lake ULT)	Intel® Atom™ E3827 1.75 GHz	Intel® Core™ i5-7300U 2.6 GHz (Kaby Lake ULT)
Chipset	SoC Integrated	SoC Integrated	SoC Integrated
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1333 SO-DIMM, up to 8GB	1 x 204-pin DDR3L-1600 SO-DIMM, up to 8GB
Display	17" SXGA TFT, 350 nits	17" SXGA TFT, 350 nits	15" XGA TFT, 420 nits
I/O	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet
Storage	1 x 2.5" SSD	1 x 2.5" SSD 1 x CFast™	1 x 2.5" SSD
Expansion Interface	1 x PCIe Mini Card	2 x PCIe Mini Card	1 x PCIe Mini Card
Touchscreen	5-wire resistive type or Projected capacitive touch	5-wire resistive type or Projected Capacitive touch	5-wire resistive type or Projected capacitive touch
Operating System	Windows® 8.1, WEBS, Windows® 7, WES 7, Windows® 10	Windows® 8.1, WEBS, Windows® 7, WES 7, Windows® 10	Windows® 8.1, WEBS, Windows® 7, WES 7, Windows® 10
Power Supply	9 ~ 36 VDC	12 ~ 36 VDC	9 ~ 36 VDC
Power Consumption	TBD	50W	TBD
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Stainless steel IP66/IP69K protection	Stainless steel IP66/IP69K protection	Stainless steel IP66/IP69K protection
Dimensions (W x D x H)	TBD	415.92 x 54.96 x 348.34 mm (16.37" x 2.16" x 13.71")	TBD
Weight (net/gross)	TBD	7.04 kg (15.52 lb)/10.3 kg (22.71 lb)	TBD
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F)	-20°C ~ +55°C (-4°F ~ +131°F)	-20°C ~ +50°C (-4°F ~ +122°F)
Wide Temperature	Yes	Yes	Yes
Certificate	CE	CE	CE



Features/Models	GOT815-834	GOT815L-511	GOT815-834
CPU Level	Intel® Atom™ E3827 1.75 GHz	Intel® Core™ i5-7300U 2.6 GHz (Kaby Lake ULT)	Intel® Atom™ E3827 1.75 GHz
Chipset	SoC Integrated	SoC Integrated	SoC Integrated
System Memory	1 x 204-pin SO-DIMM DDR3L-1333, up to 8GB	1 x 204-pin DDR3L-1600 SO-DIMM, up to 8GB	1 x 204-pin SO-DIMM DDR3L-1333, up to 8GB
Display	15" XGA TFT, 420 nits	15" XGA TFT, 420 nits	15" XGA TFT, 420 nits
I/O	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet
Storage	1 x 2.5" SSD 1 x CFast™	1 x 2.5" SSD	1 x 2.5" SSD 1 x CFast™
Expansion Interface	2 x PCIe Mini Card	1 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	5-wire resistive type or Projected capacitive touch	5-wire resistive type or Projected capacitive touch	5-wire resistive type or Projected capacitive touch
Operating System	Windows® 8.1, WEBS, Windows® 7, WES 7, Windows® 10	Windows® 8.1, WEBS, Windows® 7, WES 7, Windows® 10	Windows® 8.1, WEBS, Windows® 7, WES 7, Windows® 10
Power Supply	9 ~ 36 VDC	9 ~ 36 VDC	9 ~ 36 VDC
Power Consumption	30W	TBD	30W
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Stainless steel IP66/IP69K protection	Stainless steel IP66/IP69K protection	Stainless steel IP66/IP69K protection
Dimensions (W x D x H)	382 x 55 x 305 mm (15.4" x 2.17" x 12.01")	TBD	382 x 55 x 305 mm (15.4" x 2.17" x 12.01")
Weight (net/gross)	5.2 kg (11.46 lb)/8.4 kg (18.51 lb)	TBD	5.2 kg (11.46 lb)/8.4 kg (18.51 lb)
Operating Temperature	-20°C ~ +55°C (-4°F ~ +131°F)	-20°C ~ +50°C (-4°F ~ +122°F)	-20°C ~ +55°C (-4°F ~ +131°F)
Wide Temperature	Yes	Yes	Yes
Certificate	CE	CE	CE

Stainless Touch Panel Computers



Features/Models	GOT812L(H)-880	GOT812LR-834
CPU Level	Intel® Core™ i5 4300U 1.9 GHz (Haswell ULT)	Intel® Atom™ E3827 (1.75 GHz)
Chipset	SoC Integrated	SoC Integrated
System Memory	1 x 204-pin SO-DIMM DDR3L-1600, up to 8GB	1 x 204-pin SO-DIMM DDR3L-1333, up to 8GB
Display	12" XGA TFT, 420 nits (GOT812L-880) 12" XGA TFT, 800 nits (GOT812H-880)	12.1" XGA TFT, 1000 nits
I/O	2 x RS-232/422/485 (default RS-232) 4 x USB 2.0 1 x 10/100/1000 Mbps Ethernet	2 x RS-232/422/485 (default RS-232) 2 x USB 2.0 1 x 10/100/1000 Mbps Ethernet
Storage	1 x 2.5" SSD	1 x 2.5" SSD 1 x CFast™
Expansion Interface	1 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	5-wire resistive type or Projected capacitive touch	2-wire low reflective resistive type
Operating System	Windows® 8.1, WE8S, Windows® 7, WES 7, Windows® 10	Windows® 8.1, WE8S, Windows® 7, WES 7, Windows® 10
Power Supply	9 ~ 36 VDC	9 ~ 36 VDC
Power Consumption	56W	47W
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Stainless steel IP66/IP69K protection	Stainless steel with Full IP66 protection
Dimensions (W x D x H)	318 x 75.3 x 248.5 mm (12.52" x 2.96" x 9.78")	296 x 240 x 59 mm (11.65" x 9.45" x 3.74")
Weight (net/gross)	4.27 kg (9.41 lb)/5.77 kg (12.72 lb)	4.6 kg (10.14 lb)/6.2 kg (13.67 lb)
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F)	-20°C ~ +55°C (-4°F ~ +131°F)
Wide Temperature	Yes	Yes
Certificate	CE	CE

Transportation Touch Panel Computers



Features/Models	GOT712-837	GOT710-837	GOT610-837
CPU Level	Intel® Atom™ E3845 (1.91 GHz)	Intel® Atom™ E3845 (1.91 GHz)	Intel® Atom™ E3845 (1.91 GHz)
Chipset	SoC Intergrated	SoC Intergrated	SoC Intergrated
System Memory	DDR3 4GB memory onboard	DDR3 4GB memory onboard	DDR3 4GB memory onboard
Display	12.1" XGA TFT, 800 nits	10.4" SVGA TFT, 1000 nits	10.4" XGA TFT, 500 nits
I/O	2 x RS-232/422/485 with isolated 1.5KV (M12, A-coded) 2 x RJ-45 for Gigabit LAN with isolated 1.5KV (M12, X-coded) 2 x USB 2.0 (M12, A-coded) 1 x DC for power input with isolated 1.5KV (M12, A-coded) 1 x Audio: Line out, Line in, speaker out (D-sub) 1 x DIO (6 input/2 output) with isolated 1.5KV (D-sub) 1 x CAN bus with isolated 1.5KV (D-sub)	2 x RS-232/422/485 with isolated 1.5KV (M12, A-coded) 2 x RJ-45 for Gigabit LAN with isolated 1.5KV (M12, X-coded) 2 x USB 2.0 (M12, A-coded) 1 x DC for power input with isolated 1.5KV (M12, A-coded) 1 x Audio: Line out, Line in, speaker out (D-sub) 1 x DIO (6 input/2 output) with isolated 1.5KV (D-sub) 1 x CAN bus with isolated 1.5KV (D-sub)	1 x RS-232/422/485 with isolated 1.5KV 1 x RJ-45 for Gigabit LAN with isolated 1.5KV 3 x USB2.0 1 x USB2.0 port on top cover 1 x DC for power input with isolated 2 1.5KV 1 x Audio (Line-out/Line-in/Mic-in) 1 x DIO (6 input/2 output) with isolated 1.5KV D-sub connector 1 x CAN bus with isolated 1.5KV (USB) D-sub connector
Storage	16GB flash onboard 1 x mSATA	16GB flash onboard 1 x mSATA	16GB flash onboard 1 x mSATA
Expansion Interface	2 x PCIe Mini Card	2 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	5-wire resistive type or glass with keyboard	5-wire resistive type or glass with keyboard	5-wire resistive type or projected capacitive touch
Operating System	Windows® 8.1, WEBS, Windows® 7, WES7 Windows® 10 (IoT)	Windows® 8.1, WEBS, Windows® 7, WES7 Windows® 10 (IoT)	Windows® 8.1, WEBS, Windows® 7, WES7 Windows® 10 (IoT)
Power Supply	16 ~ 30 VDC or 77 ~ 137.5 VDC	16 ~ 30 VDC or 77 ~ 137.5 VDC	9 ~ 36 VDC or 18 ~ 60 VDC
Power Consumption	35W	36W	TBD
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Aluminum with rugged protection	Aluminum with rugged protection	Aluminum with rugged protection
Dimensions (W x D x H)	330 x 64.4 x 245 mm (13" x 2.53" x 9.65")	310 x 65 x 216 mm (12.20" x 2.56" x 8.50")	TBD
Weight (net/gross)	TBD	2.4 kg (5.29 lb)/5 kg (11.02 lb)	TBD
Operating Temperature	-25°C ~ +70°C (-13°F ~ +158°F)	-25°C ~ +70°C (-13°F ~ +158°F)	-30°C ~ +55°C (-22°F ~ +131°F)
Wide Temperature	Yes	Yes	Yes
Certificate	EN 50155 Railway EN 50121-3-2 Railway EMC EN 61373 Railway Shock/Vibration	EN 50155 Railway EN 50121-3-2 Railway EMC EN 61373 Railway Shock/Vibration	EN 60721-3-5 (06.1998) Full IP65

Transportation Touch Panel Display



Features	Models	P6105
Display Type		Aluminum front bezel (NEMA 4/12) & IP65 10.4" XGA TFT
Max. Colors		16.2M/262K
Active Area (mm)		210.4 x 157.8
Max. Resolution		1024 x 768
Display Mode		VGA 640 x 350 (70Hz) VGA 640 x 480 (60/72/75Hz) VGA 720 x 400 (70Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz)
Pixel Pitch (mm)		0.0685 x 0.2055
Backlight		LED
Backlight MTBF (hrs)		50,000
Viewing Angle (H/V)		176°/176°
Response Time		25ms
Contrast Ratio		1000 (TYP)
Brightness (cd/m2)		500 nits
Display Control		OSD, RS-232 and IR remote
I/O Connectors		1 x RS-232 for touchscreen version 1 x HDMI 1 x DVI-D 1 x DC power input 1 x RS-232 for remote control
Touchscreen		Resistive type
Power Consumption		24V, 16W
Power Adapter		Screw-type external
Dimensions (W x D x H)		372 x 175 x 412 mm (14.65" x 6.89" x 16.2")
Weight (net/gross)		2.2 kg (4.85 lb)/3.45 kg (7.61 lb)
Operating Temperature		-25°C ~ +55°C (-13°F ~ +131°F)
Mounting		Panel mount Wall mount VESA arm
Certificate		EN 50155 Railway EN 50121-3-2 Railway EMC EN 613703 Railway Shock/Vibration

Industrial Touch Panel Computers



Features/Models	P1197E-500	P1197E-861	P1177E-842
CPU Level	LGA1151 socket 6th / 7th Gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®	LGA1155 socket 3rd Gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®	Intel® Celeron® J1900 (up to 2.42 GHz)
Chipset	Intel® H110	Intel® H61	SoC Integrated
System Memory	2 x 288-pin DDR4-2133 Long-DIMM dual channel, up to 32GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	1 x 204-pin DDR3L-1333 SO-DIMM, up to 8GB
Display	19" SXGA TFT, 250 nits	19" SXGA TFT, 350 nits	17" SXGA TFT, 250 nits
I/O	3 x RS-232 (COM 2-4) 1 x RS-232/422/485 (COM 1) 1 x HDMI 1 x VGA 1 x DisplayPort 4 x USB 3.0 (back) 2 x USB 2.0 (front) 2 x 10/100/1000 Mbps Ethernet 1 x Audio (Mic-in/Line-out) 1 x PS/2 combo	3 x RS-232 1 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet 1 x DVI-D 1 x VGA 6 x USB 2.0 (Back) 2 x USB 2.0 (Front) 1 x PS/2 keyboard/mouse combo 1 x Audio (Mic-in/Line-out)	2 x RS-232/422/485 1 x RS-232 1 x RS-232 with 5V & 12V 2 x 10/100/1000 Mbps Ethernet 1 x VGA 1 x HDMI 1 x PS2 KB & 1 x PS2 MS 5 x USB 2.0 1 x USB 3.0 1 x Audio (Mic-in/Line-out)
Storage	1 x 3.5" or 2 x 2.5" SATA HDD	2 x 2.5" HDD	1 x 3.5" or 1 x 2.5" SATA HDD
DVD-RW	1 x built-in slim type (optional)	1 x built-in slim type (optional)	N/A
Expansion Interface	1 x PCIe x4 or 1 x PCI	1 x PCIe x4 or 1 x PCI	1 x PCI
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operation System	Windows® 10 IoT Enterprise Windows® 10 IoT	Windows® XP, XPe, Windows® 7, WES 7, Windows® 8, WEBS	Windows® 8.1, WEBS, Windows® 7, WES 7
Power Supply	200W, 100 ~ 240 VAC	270W, 100 ~ 240 VAC	200W, 100 ~ 240 VAC
Power Consumption	157W	162W	67W
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Aluminum with IP65/NEMA 4 rugged protection	Aluminum with IP65/NEMA 4 rugged protection	Aluminum with IP65/NEMA 4 rugged protection
Dimensions (W x D x H)	378 x 72.2 x 309 mm (14.88" x 2.84" x 12.17")	469 x 94.7 x 380.8 mm (18.46" x 3.73" x 14.99")	410 x 92 x 338 mm (16.14" x 3.62" x 13.30")
Weight (net/gross)	8 kg (17.64 lb)/10.4 kg (22.93 lb)	8 kg (17.64 lb)/10.4 kg (22.93 lb)	6.3 kg (13.89 lb)/10.1 kg (22.26 lb)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
Certificate	CE	CE	CE

Industrial Touch Panel Computers



Features/Models	P1177S-881	P1177S-871	P1177E-871
CPU Level	LGA1150 socket 4th Gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®	LGA1155 socket 3rd Gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®	LGA1155 socket 3rd Gen Intel® Core™ i7/i5/i3, Celeron®, Pentium® & Xeon®
Chipset	Intel® H81	Intel® Q77	Intel® C216
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB
Display	17" XGA TFT, 250 nits	17" SXGA TFT, 350 nits	17" SXGA TFT, 350 nits
I/O	3 x RS-232/422/485 with 5V & 12V 1 x RS-232 with 5V & 12V 2 x 10/100/1000 Mbps Ethernet 1 x VGA 1 x HDMI 2 x USB 3.0 4 x USB 2.0 1 x Audio (Mic-in/Line-out)	2 x RS-232 1 x RS-232/422/485 with 5V & 12V 1 x RS-232 with 5V & 12V 2 x 10/100/1000 Mbps Ethernet 1 x DVI-I 1 x HDMI 4 x USB 3.0 2 x USB 2.0 1 x Audio (Mic-in/Line-out)	2 x RS-232 1 x RS-232/422/485 with 5V & 12V 1 x RS-232 with 5V & 12V 2 x 10/100/1000 Mbps Ethernet 1 x DVI-I 1 x HDMI 4 x USB 3.0 2 x USB 2.0 1 x Audio (Mic-in/Line-out)
Storage	1 x 3.5" or 2 x 2.5" SATA HDD	1 x 3.5" or 2 x 2.5" HDD	1 x 3.5" or 2 x 2.5" HDD
DVD-RW	N/A	N/A	1 x built-in slim type (optional)
Expansion Interface	N/A	N/A	2 x PCIe x8 or 2 x PCI
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operation System	Windows® 8.1, WEBS, Windows® 7, WES 7	Windows® XP, XPe, Windows® 7, WES 7, Windows® 8, WEBS	Windows® XP, XPe, Windows® 7, WES 7, Windows® 8, WEBS
Power Supply	200W, 100 ~ 240 VAC	270W, 100 ~ 240 VAC	270W, 100 ~ 240 VAC
Power Consumption	142W	178W	180W
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Aluminum with IP65/NEMA 4 rugged protection	Aluminum with IP65/NEMA 4 rugged protection	Aluminum with IP65/NEMA 4 rugged protection
Dimensions (W x D x H)	410 x 80 x 338 mm (16.14" x 3.15" x 13.3")	410 x 80 x 338 mm (16.14" x 3.15" x 13.3")	410 x 131 x 338 mm (16.14" x 5.16" x 13.3")
Weight (net/gross)	7 kg (15.43 lb)/10.8 kg (23.8 lb)	7 kg (15.43 lb)/10.8 kg (23.8 lb)	8.2 kg (18.08 lb)/12 kg (26.46 lb)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
Certificate	CE	CE	CE



Features/Models	P1157E-500	P1157S-881	P1157S-871
CPU Level	LGA1151 socket 6th / 7th Gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®	LGA1150 socket 4th Gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®	LGA1155 socket 3rd Gen Intel® Core™ i7/i5/i3, Celeron® & Pentium®
Chipset	Intel® H110	Intel® H81	Intel® Q77
System Memory	2 x 288-pin DDR4-2133 Long-DIMM dual channel, up to 32GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB
Display	15" XGA TFT, 250 nits	15" XGA TFT, 250 nits	15" XGA TFT, 350 nits
I/O	3 x RS-232 (COM 2-4) 1 x RS-232/422/485 (COM 1) 1 x HDMI 1 x VGA 1 x DisplayPort 4 x USB 3.0 2 x USB 2.0 2 x 10/100/1000 Mbps Ethernet 1 x Audio (Mic-in/Line-out) 1 x PS/2 combo 1 x Remote power switch	3 x RS-232/422/485 with 5V & 12V 1 x RS-232 with 5V & 12V 2 x 10/100/1000 Mbps Ethernet 1 x VGA 1 x HDMI 2 x USB 3.0 4 x USB 2.0 1 x Audio (Mic-in/Line-out)	2 x RS-232 1 x RS-232/422/485 with 5V & 12V 1 x RS-232 with 5V & 12V 2 x 10/100/1000 Mbps Ethernet 1 x DVI-I 1 x HDMI 4 x USB 3.0 2 x USB 2.0 1 x Audio (Mic-in/Line-out)
Storage	1 x 3.5" or 2 x 2.5" SATA HDD	1 x 3.5" or 2 x 2.5" SATA HDD	1 x 3.5" or 2 x 2.5" HDD
DVD-RW	N/A	N/A	N/A
Expansion Interface	1 x PCIe x4 or 1 x PCI	N/A	N/A
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operation System	1. Skylake: Win 7, Win 8.1, Win 10 2. Kabylake: Windows 10 64bit	Windows® 8.1, WE8S, Windows® 7, WES 7	Windows® XP, XPe, Windows® 7, WES 7, Windows® 8, WE8S
Power Supply	200W, 100 ~ 240 VAC	200W, 100 ~ 240 VAC	270W, 100 ~ 240 VAC
Power Consumption	97.6W	142W	165W
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Aluminum with IP65/NEMA 4 rugged protection	Aluminum with IP65/NEMA 4 rugged protection	Aluminum with IP65/NEMA 4 rugged protection
Dimensions (W x D x H)	378.3 x 90 x 310.3 mm (14.89" x 3.54" x 12.22")	378 x 72.2 x 309 mm (14.88" x 2.84" x 12.17")	378 x 72.2 x 309 mm (14.88" x 2.84" x 12.17")
Weight (net/gross)	5.4 kg (11.90 lb)/ 7.8 kg (17.20 lb)	5.4 kg (11.88 lb)/7.8 kg (17.16 lb)	5.2 kg (11.46 lb)/7.5 kg (16.53 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
Certificate	CE	CE	CE

Industrial Touch Panel Computers



Features/Models	P1157E-871	P1127E-871
CPU Level	LGA1155 socket 3rd Gen Intel® Core™ i7/i5/i3, Celeron®, Pentium® & Xeon®	LGA1155 socket 3rd Gen Intel® Core™ i7/i5/i3, Celeron®, Pentium® & Xeon®
Chipset	Intel® C216	Intel® C216
System Memory	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333/1600 SO-DIMM, up to 16GB
Display	15" XGA TFT, 350 nits	12.1" XGA TFT, 500 nits
I/O	2 x RS-232 1 x RS-232/422/485 with 5V & 12V 1 x RS-232 with 5V & 12V 2 x 10/100/1000 Mbps Ethernet 1 x DVI-I 1 x HDMI 4 x USB 3.0 2 x USB 2.0 1 x Audio (Mic-in/Line-out)	1 x RS-232 1 x RS-232/422/485 with 5V & 12V 1 x RS-232 with 5V & 12V 2 x 10/100/1000 Mbps Ethernet 1 x DVI-I 1 x HDMI 4 x USB 3.0 2 x USB 2.0 1 x Audio (Mic-in/Line-out)
Storage	1 x 3.5" or 2 x 2.5" HDD	1 x 2.5" HDD
DVD-RW	N/A	N/A
Expansion Interface	2 x PCIe x8 or 2 x PCI	2 x PCIe x8 or 2 x PCI
Touchscreen	5-wire resistive type	5-wire resistive type
Operation System	Windows® XP, XPe, Windows® 7, WES 7, Windows® 8, WEBS	Windows® XP, WES, Windows® 7, WES 7, Windows® 8, WEBS
Power Supply	200W, 100 ~ 240 VAC	270W, 100 ~ 240 VAC
Power Consumption	167W	160W
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Front Bezel	Aluminum with IP65/ NEMA 4 rugged protection	Aluminum with IP65/ NEMA 4 rugged protection
Dimensions (W x D x H)	378 x 125.5 x 309 mm (14.88" x 4.94" x 12.17")	311.5 x 111.85 x 250 (12.26" x 4.4" x 9.84")
Weight (net/gross)	6.2 kg (13.67 lb)/9.6 kg (21.16 lb)	5 kg (11.02 lb)/7.1 kg (15.65 lb)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
Certificate	CE	CE

Industrial Touch Monitors



Features/Models	P6217W	P6191O	P6191
Display Type	Flat front bezel (NEMA 4/12) 21.5" FHD TFT	Open frame mount (NEMA 4/12) & IP65 19" SXGA TFT	Aluminum front bezel (NEMA 4/12) & IP65 19" SXGA TFT
Max. Colors	16.7M	16.7M	16.7M
Active Area (mm)	476.64 x 268.11	376.32 x 301.06	376.32 x 301.06
Max. Resolution	1920 x 1080	1280 x 1024	1280 x 1024
Display Mode	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/70/75Hz) WXGA 1366 x 768 (60Hz) FHD 1920 x 1080 (60Hz)	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz) SXGA 1280 x 1024 (60/72/75Hz)	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz) SXGA 1280 x 1024 (60/72/75Hz)
Pixel Pitch (mm)	0.24 (H) x 0.24 (V)	0.24 (H) x 0.24 (V)	0.24 (H) x 0.24 (V)
Backlight	LED	LED	LED
Backlight MTBF (hrs)	50,000	50,000	50,000
Viewing Angle (H/V)	178°/178°	170°/160°	170°/160°
Response Time	18ms	8ms	8ms
Contrast Ratio	3,000	50,000	50,000
Brightness (cd/m2)	250 nits	350 nits	350 nits
Display Control	OSD	OSD	OSD
I/O Connectors	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch
Touchscreen	Capacitive multi-touch	Resistive type	Resistive type
Power Consumption	20W	17W	17W
Power Adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter
Dimensions (W x D x H)	547.59 x 53 x 339.05 mm (21.56" x 2.09" x 13.34")	404.5 x 31.9 x 332 mm (15.93" x 1.26" x 13.07")	482 x 55 x 380 mm (18.98" x 2.17" x 14.96")
Weight (net/gross)	6.42 kg (14.15 lb)/7.78 kg (7.15 lb)	4.56 kg (10.05 lbs) / 6.52 kg (14.37 lbs)	6.04 kg (13.32 lbs) / 8 kg (13.32 lbs)
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)
Mounting	Panel mount Wall mount VESA arm	Open frame mount Wall mount VESA arm	Panel mount Wall mount Rackmount VESA arm
Certificate	CE	CE	CE

Industrial Touch Monitors



Features/Models	P6187W-V2	P61710	P6171
Display Type	Flat front bezel (NEMA 4/12) 18.5" WXGA TFT	Open frame 17" SXGA TFT	Aluminum front bezel (NEMA 4/12) & IP65 17" SXGA TFT
Max. Colors	16.7M	16.7M	16.7M
Active Area (mm)	409.8 x 230.4	337.92 x 270.33	337.92 x 270.33
Max. Resolution	1366 x 768	1280 x 1024	1280 x 1024
Display Mode	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/70/75Hz) WXGA 1366 x 768 (60Hz)	VGA 640 x 350 (70Hz) VGA 640 x 480 (60/72/75Hz) VGA 720 x 400 (70Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz) SXGA 1280 x 1024 (60/72/75Hz)	VGA 640 x 350 (70Hz) VGA 640 x 480 (60/72/75Hz) VGA 720 x 400 (70Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz) SXGA 1280 x 1024 (60/72/75Hz)
Pixel Pitch (mm)	0.3 x 0.3	0.264 x 0.264	0.264 x 0.264
Backlight	LED	LED	LED
Backlight MTBF (hrs)	50,000	30,000	30,000
Viewing Angle (H/V)	170°/160°	170°/160°	170°/160°
Response Time	5ms	5ms	5ms
Contrast Ratio	1000 (TYP)	1000 (TYP)	1000 (TYP)
Brightness (cd/m2)	300 nits	350 nits	350 nits
Display Control	OSD	OSD	OSD
I/O Connectors	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch	1 x DVI-D 1 x Displayport 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch
Touchscreen	Capacitive multi-touch	Resistive type	Resistive type
Power Consumption	22W	TBD	24W
Power Adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter
Dimensions (W x D x H)	460 x 57 x 285 mm (18.11" x 2.44" x 11.22")	TBD	410.31 x 28 x 38.31mm (16.15" x 1.10" x 13.32")
Weight (net/gross)	6.0 kg (12.22 lb)/8.0 kg (17.75 lb)	TBD	3.8 kg (8.38 lb)/6.56 kg (14.46 lb)
Operating Temperature	0°C ~ +55°C (+32°F ~ +131°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)
Mounting	Panel mount Wall mount VESA arm	Open frame mount Wall mount VESA arm	Panel mount Wall mount Rackmount VESA arm
Certificate	CE	CE	CE



Features/Models	P6157W-V2	P6151O	P6151
Display Type	Flat front bezel (NEMA 4/12) 15.6" WXGA TFT	Open frame 15" XGA TFT	Metal front bezel (NEMA 4/12) 15" XGA TFT
Max. Colors	16.7M	16.7M	16.7M
Active Area (mm)	344.23 x 193.54	304.128 x 228.096	304.128 x 228.096
Max. Resolution	1366 x 768	1024 x 768	1024 x 768
Display Mode	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/70/75Hz) WXGA 1366 x 768 (60Hz)	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/70/75Hz)	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/70/75Hz)
Pixel Pitch (mm)	0.252 x 0.252	0.297 x 0.297	0.297 x 0.297
Backlight	LED	LED	LED
Backlight MTBF (hrs)	50,000	30,000	30,000
Viewing Angle (H/V)	170°/160°	160°/160°	160°/160°
Response Time	8ms	16ms	16ms
Contrast Ratio	500 (TYP)	800 (TYP)	800 (TYP)
Brightness (cd/m2)	300 nits	420 nits	420 nits
Display Control	OSD	OSD	OSD
I/O Connectors	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch
Touchscreen	Capacitive multi-touch	Resistive type	Resistive type
Power Consumption	19W	15W	15W
Power Adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter
Dimensions (W x D x H)	396.8 x 57.6 x 247.1 mm (15.62" x 2.68" x 9.73")	335 x 58.5 x 261.5 mm (13.19" x 2.30" x 10.29")	335 x 58.5 x 261.5 mm (13.19" x 2.30" x 10.29")
Weight (net/gross)	4.48 kg (9.87 lb)/7.88 kg (17.36 lb)	3.08 kg (6.79 lb)/4.58 kg (10.1 lb)	3.08 kg (6.79 lb)/4.58 kg (10.1 lb)
Operating Temperature	0°C ~ +55°C (+32°F ~ +131°F)	0°C ~ +55°C (+32°F ~ +131°F)	0°C ~ +55°C (+32°F ~ +131°F)
Mounting	Panel mount Wall mount VESA arm	Open frame mount Wall mount VESA arm	Panel mount Wall mount Rackmount VESA arm
Certificate	CE	CE	CE

Industrial Touch Monitors



Features/Models	P6121O	P6121	P6101O
Display Type	Open frame mount (NEMA 4/12) & IP65 12.1" XGA TFT	Aluminum front bezel (NEMA 4/12) & IP65 12.1" XGA TFT	Open frame 10.4" XGA TFT
Max. Colors	16.2M	16.7M	16.7M
Active Area (mm)	245.76 (H) x 184.32 (V)	245.76 (H) x 184.32 (V)	211.2 (H) x 158.4 (V)
Max. Resolution	1024 x 768	1024x768	1024 x 768
Display Mode	1024 x 768	VGA 640 x 350 (70Hz) VGA 640 x 480 (60/72/75Hz) VGA 720 x 400 (70Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz)	VGA 640 x 350 (70Hz) VGA 640 x 480 (60/72/75Hz) VGA 720 x 400 (70Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz)
Pixel Pitch (mm)	0.240 (H) x 0.240 (V)	0.24 (H) x 0.24 (V)	0.2063 x 0.2063
Backlight	LED	LED	LED
Backlight MTBF (hrs)	30,000	30,000	30,000
Viewing Angle (H/V)	150°/150°	160°/160°	150°/150°
Response Time	16ms	350 nits	16ms
Contrast Ratio	700 (TYP)	350 nits	900 (TYP)
Brightness (cd/m2)	500 nits	350 nits	350 nits
Display Control	OSD	OSD	OSD
I/O Connectors	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch
Touchscreen	Resistive type	Resistive type	Resistive type
Power Consumption	15W	15W	8W
Power Adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter
Dimensions (W x D x H)	270.5 x 52.9 x 218.3 mm (10.65" x 2.08" x 8.59")	311.81 x 54.95 x 250.31 mm (12.28" x 2.16" x 9.85")	246 x 44.9 x 192.3 mm (9.7" x 1.77" x 7.57")
Weight (net/gross)	2.15 kg (4.74 lb)/3.67 kg (8.09 lb)	2.35 kg (5.18 lb)/3.87 kg (8.57 lb)	1.63 kg (3.59 lb)/2.63 kg (5.81 lb)
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	0°C ~ +55°C (+32°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Mounting	Open frame mount Wall mount VESA arm	Panel mount Wall mount VESA mount	Open frame mount Wall mount VESA arm
Certificate	CE	CE	CE



Features/Models	P6101	P6103W	P6841O
Display Type	Aluminum front bezel (NEMA 4/12) & IP65 10.4" XGA TFT	Metal front bezel (NEMA 4/12) 10.1" WXGA TFT	Flat front bezel (NEMA 4/12) 8.4" SVGA TFT
Max. Colors	16.7M	16.7M	16.2M
Active Area (mm)	211.2 (H) x 158.4 (V)	216.96 x 135.60	170.4 x 127.8
Max. Resolution	1024 x 768	1280 x 800	800 x 600
Display Mode	VGA 640 x 350 (70Hz) VGA 640 x 480 (60/72/75Hz) VGA 720 x 400 (70Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz)	VGA 640 x 350 (70Hz) VGA 640 x 480 (60/72/75Hz) VGA 720 x 400 (70Hz) SVGA 800 x 600 (60/72/75Hz) WXGA 1280 x 800 (60/72/75Hz)	VGA 640 x 350 (70Hz) VGA 640 x 480 (60/72/75Hz) VGA 720 x 400 (70Hz) SVGA 800 x 600 (60/72/75Hz)
Pixel Pitch (mm)	0.2063 x 0.2063	0.1695 x 0.1695	0.213 x 0.213
Backlight	LED	LED	LED
Backlight MTBF (hrs)	30,000	25,000	50,000
Viewing Angle (H/V)	150°/150°	170°/170°	160°/140°
Response Time	16ms	25ms	30ms
Contrast Ratio	900 (TYP)	800 (TYP)	600 (TYP)
Brightness (cd/m2)	350 nits	350 nits	450 nits
Display Control	OSD	OSD	OSD
I/O Connectors	1 x VGA 1 x DVI 1 x HDMI 1 x DC power input 1 x RS-232 or USB for touch	1 x DVI-D 1 x VGA 1 x HDMI 1 x Screw-type DC power input 1 x RS-232 or USB for touchscreen	1 x DVI-D 1 x VGA 1 x HDMI 1 x Screw-type DC power input 1 x RS-232 or USB for touchscreen
Touchscreen	Resistive type	Resistive type	Resistive type
Power Consumption	8W	15W	9.8W
Power Adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter
Dimensions (W x D x H)	277.5 x 48 x 233.5 mm (10.93" x 1.89" x 8.8")	260.8 x 38 x 194.1 mm (10.27" x 1.5" x 7.64")	227 x 53 x 162 mm (8.94" x 2.09" x 6.78")
Weight (net/gross)	2.04 kg (4.5 lb)/3.04 kg (6.7 lb)	1.04 kg (2.29 lb)/1.86 kg (4.10 lb)	1.42 kg (3.11 lb)/2.3 kg (5.07 lb)
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	0°C ~ +50°C (+32°F ~ +122°F)	-20°C ~ +55°C (-4°F ~ +131°F)
Mounting	Panel mount Wall mount VESA arm	Panel mount Wall mount VESA arm	Open frame mount Wall mount VESA arm
Certificate	CE	CE	CE

Medical Panel Computers



Features/Models	MPC240	MPC225-873	MPC175-873
CPU Level	Socket G3 4th Gen Intel® Core™ i7/i5/i3 & Celeron®, Pentium® mobile	Socket rPGA988B 3rd Gen Intel® Core™ i7/i5/i3 & Celeron®, TDP up to 35 W	Socket rPGA988B 3rd Gen Intel® Core™ i7/i5/i3 & Celeron®, TDP up to 35 W
Chipset	Intel® HM86	Intel® QM77	Intel® QM77
System Memory	2 x 204-pin DDR3L-1600 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333 SO-DIMM, up to 16GB	2 x 204-pin DDR3-1333 SO-DIMM, up to 16GB
Display	24" FHD TFT, 250 nits	22" WSXGA TFT, 250 nits	17" SXGA TFT, 350 nits
I/O	4 x USB 3.0 4 x USB 2.0 1 x Audio (Line out) 1 x Audio (Mic-in) 1 x RJ-45 jack 1 x DC-in jack 1 x HDMI	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1 w/ isolated 4KV) 2 x 10/100/1000 Mbps Ethernet (isolated 4KV) 2 x USB 2.0 (isolated 4KV) 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 1 x Audio (Mic-in) 1 x DisplayPort 2 x 2W speakers	1 x RS-232/422/485 (COM 1 w/ isolated 4KV) 2 x 10/100/1000 Mbps Ethernet (isolated 4KV) 2 x USB 2.0 (isolated 4KV) 2 x USB 3.0 1 x Audio (Line-out) 1 x Audio (Mic-in) 1 x DisplayPort 2 x 2W speakers
Storage	1 x 2.5" SATA HDD 1 x M2-SATA SSD (M2 Type, 2242)	1 x 2.5" SATA HDD 1 x mSATA	1 x 2.5" SATA HDD 1 x mSATA SSD (optional)
DVD-RW	1 x Super multi drive (optional)	1 x Super multi drive (optional)	1 x Super multi drive (optional)
Expansion Interface	1 x PCIe Mini Card	1 x PCI or 1 x PCIe x4 2 x PCIe Mini Card	1 x PCI or 1 x PCIe x4 (optional) 2 x PCIe Mini Card
Touchscreen	Projected capacitive multi-touch	5-wire resistive type	5-wire resistive type
Operating System	Windows® 7, Windows® 8.1	Windows® XP, Windows® 7, WES7, Windows® 8.1, WES8	Windows® XP, Windows® 7, WES7, Windows® 8.1, WES8
Power Supply	External AC/DC medical grade power adapter	External 24 VDC with AC/DC medical grade power adapter	External 24 VDC with AC/DC medical grade power adapter
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	610 x 35.5 x 415 mm (24.01" x 1.40" x 16.34")	573.5 x 75.9 x 398.9 mm (22.57" x 2.98" x 15.7")	438 x 76.5 x 376.4 mm (17.24" x 3.01" x 14.81")
Weight (net/gross)	6.2 kg (13.66 lb)/9 kg (19.84 lb)	10.58 kg (23.32 lb)/15.16 kg (33.42 lb)	8.0 kg (17.63 lb)/11.9 kg (26.23 lb)
Operating Temperature	5°C ~ +40°C (+13°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)
Certificate	CE, EN 60601-1	CE class B, EN 60601-1, UL 60601-1, CE class B, EN 60601-1, UL 60601-1	CE class B, EN 60601-1, UL 60601-1, FCC classB



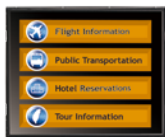
Features/Models	MPC153-834	MPC152-832	MPC102-845
CPU Level	Intel® Celeron® J1900 (up to 2.42 GHz)	Intel® Atom™ D2550 @1.86 GHz	Intel® Celeron® N3060 2 cores (up to 2.48 GHz)
Chipset	SoC Integrated	Intel® NM10	SoC Integrated
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB	1 x 204-pin DDR3-800/1066 SO-DIMM, up to 4GB	1 x 204-pin DDR3L-1600 SO-DIMM, up to 8GB
Display	15.6" WXGA TFT, 300 nits	15" XGA TFT, 400 nits	10.4" SVGA TFT, 400 nits
I/O	2 x RS-232/422/485 (COM 1/2) 1 x RS-232/422/485 (COM3 w/isolated 4KV) 2 x 10/100/1000 Mbps Ethernet 2 x USB 3.0 1 x Audio (Line-out)	1 x RS-232 (COM3 w/ isolated 4KV) 1 x RS-232/422/485 (COM1) 2 x 10/100/1000 Mbps Ethernet 4 x USB 2.0 1 x Audio (Line-out) 1 x DisplayPort	1 x RS-232 (COM3 w/ isolated 4KV) 1 x RS-232/422/485 (COM1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0 1 x Audio (Line-out)
Storage	1 x Half-slim SSD 1 x CFast™ or mSATA	1 x 2.5" SATA HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x mSATA
DVD-RW	N/A	N/A	N/A
Expansion Interface	2 x PCIe Mini Card	1 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	Projected capacitive multi-touch 5-wire flat resistive type	5-wire resistive type	5-wire Resistive Type
Operating System	WES7, WES8, Windows® 7, Windows® 8.1	WES7, WES, Windows® XP, Windows® 7	WES7, WES8 (64-bit), Windows® 7, Windows® 8.1 (64-bit), Windows® 10
Power Supply	9 ~ 36 VDC External 100 ~ 240 VAC, 60W medical grade power adapter	10 ~ 30 VDC External 100 ~ 240 VAC, 60W medical grade power adapter	9 ~ 36 VDC External 100 ~ 240 VAC, 60W medical grade power adapter
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	394.2 x 57 x 257.2 mm (15.53" x 2.25" x 10.13")	387.9 x 54.6 x 307.7 mm (15.27" x 2.14" x 12.11")	292.5 x 45.8 x 235.8 mm (11.52" x 1.8" x 9.28")
Weight (net/gross)	3.0 kg (6.61 lb)/4.5 kg (9.92 lb)	3.2 kg (7.05 lb)/4.5 kg (9.91 lb)	1.8 kg (3.96 lb)/3 kg (6.61 lb)
Operating Temperature	0°C ~ +40°C (+32°F ~ +104°F)	0°C ~ +40°C (+32°F ~ +104°F)	0° ~ +40°C (+32°F ~ +104°F)
Certificate	CE, EN 60601-1, FCC classB	CE, EN 60601-1, UL 60601-1, FCC classB	CE, EN 60601-1

Medical Panel Computers



Features	Models	MPC102-832
CPU Level		Intel® Atom™ N2600 @1.6 GHz
Chipset		Intel® NM10
System Memory		1 x 204-pin DDR3-800/1066 SO-DIMM, up to 2GB
Display		10.4" SVGA TFT, 400 nit
I/O		1 x RS-232 (COM3 w/ isolated 4KV) 1 x RS-232/422/485 (COM1) 2 x 10/100/1000 Mbps Ethernet 2 x USB 2.0 1 x Audio (Line-out) 1 x DisplayPort
Storage		1 x Half-Slim SATA SSD 1 x CompactFlash™
DVD-RW		N/A
Expansion Interface		1 x PCIe Mini Card
Touchscreen		5-wire Resistive Type
Operating System		WES7, WES, Windows® XP, Windows® 7
Power Supply		10 ~ 30 VDC External 100 ~ 240 VAC, 60W medical grade power adapter
Watchdog Timer		255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)		292.5 x 45.8 x 235.8 mm (11.52" x 1.8" x 9.28")
Weight (net/gross)		1.8 kg (3.96 lb)/3 kg (6.61 lb)
Operating Temperature		0° ~ +40°C (+32°F ~ +104°F)
Certificate		CE, EN 60601-1, UL 60601-1, FCC classB

Open Frame Panel Computers

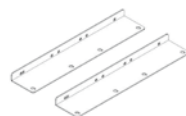
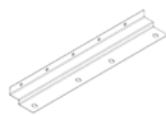
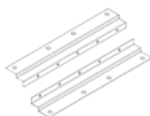
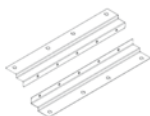


Features/Models	FDK191-832	FDK172-834
CPU Level	Intel® Atom™ D2550 1.86 GHz	Intel® Celeron® J1900 2.0 GHz
LCD Panel	19" SXGA TFT LCD 250 nits 1280 x 1024	17" SXGA TFT LCD 250 nits 1280 x 1024
Chipset	Intel® NM10	SoC integrated
System Memory	1 x 204-pin DDR3-800/1066 SO-DIMM, up to 4GB	1 x 204-pin DDR3L-1333 SO-DIMM, up to 8GB
CPU FSB Frequency	533 MHz	N/A
I/O	1 x RS-232/422/485 (COM 1) 2 x RS-232 (COM 2/3) 4 x USB 2.0 2 x 10/100/1000 Mbps Ethernet 1 x Audio (Line-out) 1 x VGA	4 x RS-232/422/485 (COM 1/2/3/4) 2 x USB 3.0 2 x USB 2.0 1 x 10/100/1000 Mbps Ethernet 1 x Audio (Line-out) 1 x VGA
Storage	1 x 2.5" SATA HDD 1 x CompactFlash™	1 x 2.5" SATA HDD 1 x CFast or mSATA
FDD	N/A	N/A
CD-ROM	N/A	N/A
Expansion	1 x PCIe Mini Card	2 x PCIe Mini Card
Touchscreen	5-wire resistive type (optional)	5-wire resistive type (optional)
Operating System	Windows® 7 & Embedded (32-bit)	Windows® 8.1, WE8S, Windows® 7, WES 7
Power Supply	24 VDC 100 ~ 240VAC, 60W power adapter	9 ~ 36 VDC 100 ~ 240VAC, 60W power adapter
Power Consumption	36W	57.60W
Watchdog Timer	255 levels, 0 ~ 255 sec.	255 levels, 0 ~ 255 sec.
Dimensions (W x D x H)	404.5 x 63.3 x 332 mm (15.92" x 2.49" x 13.07")	367 x 65 x 304.5 mm (14.45" x 2.6" x 11.99")
Weight (net/gross)	6 kg (13.23 lb)/8.06 kg (17.77 lb)	5.52 kg (12.16 lb)/7.5 kg (16.53 lb)
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)
Certificate	CE	CE

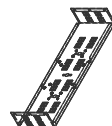
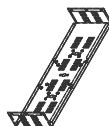
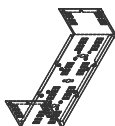
Accessory List



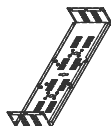
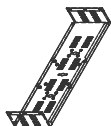
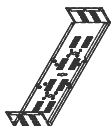
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Accessory Description	Desktop stand	Light stand	Desktop stand	Desktop stand
Applied for	OPF215, OPF240, IF02170, IF02175, IF02225	MPC170, MMT175, MMT225, MPC175, MPC225, IF02170, IF02175	GOT 5xxxT-830 series	GOT3840TL



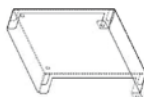
Part Number	82261580070E	82011750110E	72615300820E	82211570060E
Accessory Description	Rackmount kit	Rackmount kit	Rackmount kit	Rackmount kit
Applied for	P1153, P1158	P1173, P1178, P6178	P6153	P1157S, P1157E



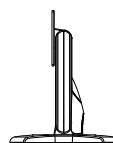
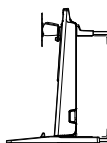
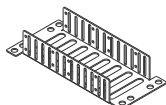
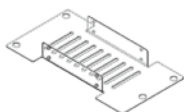
Part Number	82238400800E	82211270060E	82211570050E	82211570100E
Accessory Description	VESA and wall mount kit	VESA & wall mount kit	VESA & wall mount kit	VESA & wall mount kit
Applied for	GOT3840TL	P1127E	P1157S	P1157E



Part Number	82211770060E	82211770120E	82211970070E	82261900070E
Accessory Description	VESA & wall mount kit	VESA & wall mount kit	VESA & wall mount kit	Wall mount & desktop stand
Applied for	P1177S	P1177E	P1197E	P6192



Part Number	82061522100E	82231770050E	E201840102	E201840101
Accessory Description	Wall mount & desktop stand	Wall mount Kit	1-slot PC/104 cover	2-slot PC/104 cover
Applied for	P6122, P6153, P6158, P6173, P6178	GOT3000	GOT3840TL	GOT3840TL



Part Number	82011750130E	72211571000E	E221177106	E226171106
Accessory Description	2 x 2.5" HDD kit	2 x 2.5" HDD kit	VESA (75 & 100 mm) desktop stand (Black)	VESA (75 & 100 mm) desktop stand (Black)
Applied for	P1173, P1178, P1177S, P1177E	P1157S, P1157E	GOT, P1000, P6000 Series	GOT 5000 Series



Note

Axiomtek maintains a global network of international subsidiaries and distributors representing the Axiomtek brand in more than 40 countries.

Prompt Worldwide Service

To maximize service efficiency, Axiomtek employs an international service network, providing worldwide technical support and sales service among the 13 offices located in Taiwan, America, Europe and China ensure prompt service to customers.

Axiomtek has successfully assisted several prestigious business with their customized project execution. Flexibility is a feature of Axiomtek's OEM/ODM services, capable of providing customers with any needed customized service.





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