



# AUTOMATION SOLUTION BROCHURE

QUANMAX, ALWAYS THE RIGHT WAY WITH EMBEDDED FUTURE



- ❖ Fanless Embedded Box PCs
- ❖ Multi-media Panel PCs
- ❖ Industrial Panel PCs
- ❖ Multi-touch Bezel-free Flat Panel PCs / Monitors





# Table of Contents

<b>Overview</b>	<b>About Quanmax</b> ..... 2
	<b>Solutions for Automation</b> ..... 4
<b>Advanced Embedded Fanless Box PCs</b>	<b>Advanced Embedded Fanless Box PC Portfolio</b> ..... 6
	QBOX-5000 ..... 7
	QBOX-4000 Series ..... 8
	QBOX-1700 ..... 9
	QBOX-1600 ..... 10
<b>Performance Embedded Fanless Box PCs</b>	<b>Performance Embedded Fanless Box PC Portfolio</b> ..... 12
	KUBE-8130 ..... 13
	KUBE-8030 ..... 14
<b>Multi-media Panel PCs</b>	<b>Multi-media Panel PC Portfolio</b> ..... 16
	HPC-1050 Series ..... 17
	HPC-1010 ..... 18
<b>Industrial Panel PCs</b>	<b>Industrial Panel PC Portfolio</b> ..... 20
	KPC-2150 ..... 22
	KPC-15B0/17B0 ..... 23
	KPC-15A0/17A0 ..... 24
	KPC-1570/1770 Series ..... 25
	KPC-1560/1760 Series ..... 26
	KPC-1260 Series ..... 27
	KPC-1210 ..... 28
	KPC-1030 Series ..... 29
<b>Multi-touch Bezel-free Flat Panel PCs / Monitors</b>	<b>Multi-touch Bezel-free Flat Panel PC / Monitor Portfolio</b> ..... 30
	SPC-1500/1700/1900 Series ..... 31
	PPC-1500/1700/1900 ..... 32
	MPC-1500/1700/1900 Series ..... 33
	QTM-1500/1700/1900/2150 ..... 34

### About Quanmax

Founded in 1999 and headquartered in Taipei, Taiwan, Quanmax is committed to be your trustworthy partner in supplying quality industrial and commercial computing systems. With extensive industrial computing experience, a talented R&D team and an exceptional service quality model, Quanmax leverages on these capabilities to deliver products that surpass customer expectations. These core strengths have enabled its customers to come up with impactful solutions and win projects in various areas.

Quanmax's business can be divided into four categories:

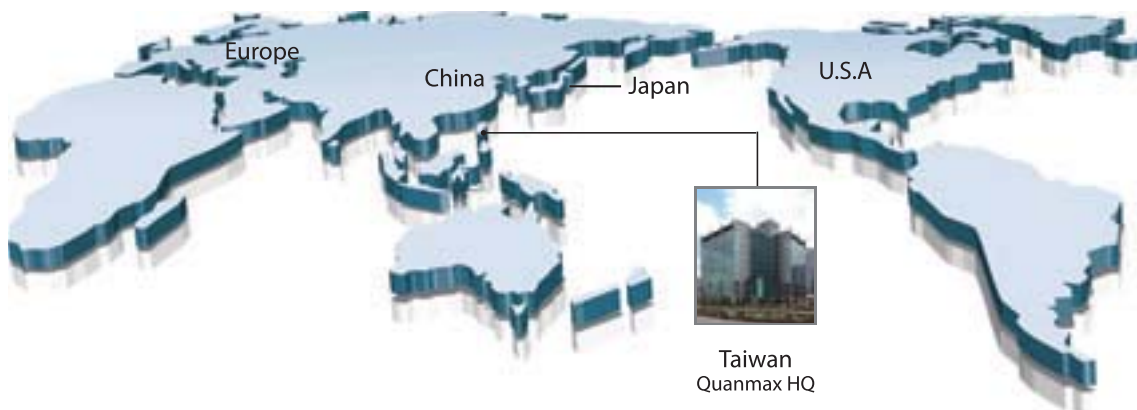
- Motherboards (3.5" SBC / Mini-ITX / ATX / Com-Express / SMARC)
- Infotainment (Digital Signage / KIOSK / Gaming)
- Automation (Factory / Machine / Office / Home Automation)
- IoT

Our strategic deployment enables Quanmax to offer quality product at the time-to-market, time-to-solution and service-to-market without having to compromising in cost.

In addition, Quanmax also offers competitive world-class service networks by providing customized service, global logistics, local access, and real-time support covering three continents - Asia, Europe to America. As such Quanmax is able to fulfill customers' requirements and work closely with global partners in different regions.

### Corporate Mission

- A Leading Innovative Supplier in Vertical Application Markets
- A Quality Partner in Engineering, Manufacturing, and Services



## Business Strategy

In response to new technologies / applications and desires for a more comprehensive solution, Quanmax has made a clear set of strategic priorities which are:

- Cultivating vertical markets and developing a total solution
- Enhancing value chain integration
- Developing long-term relationship with customers.

Our business strategy positions us well to manage the challenges and leverage the opportunities to make a significant and sustained contribution to embedded computing.

## Research and Development

Research and development at Quanmax follows two guiding principles when developing new products / solutions:

- Developing a variety of both standard and customized solutions
- Innovating more software integrated solutions

As such Quanmax can always launch appropriate products in accordance with each market segment or even more than expected.

## Production Quality and Manufacturing Efficiency

With years of investment on advanced equipments and experience in manufacturing techniques / practices, Quanmax is able to offer flexible, time-efficient, cost-effective and quality-assured production services based on following criteria:

- different levels of quantity and quality requirements, and
- individual-specific production for customized specifications / requirements.

## Milestone



## Solutions for Automation

Embedded computer devices are widely used in modern automation fields. In factory / machine automation, for example, they are a helpful tool to monitor / control the running production processes and to increase production efficiency, productivity and safety. When being integrated into a building / office / home automation system, they are a platform ideal for HVAC control, lighting control, elevator monitoring, crowd control and video surveillance. To evaluate its usability, here are some criteria including processing / graphics performance for fast response time to operator's input and real-time reality-like images, sufficient-enough connection ports to communicate between operators, machines and the systems, and a friendly interface for operator interaction.

### Multi-media Panel PC



HPC Series



QBOX Series

### Embedded Box PCs



KUBE Series



KPC Series

### Industrial Panel PCs



SPC/PPC/MPC/QTM Series

### Multi-touch Bezel-free Flat Panel PCs / Monitors

Quanmax offers a variety of embedded computing platforms / solutions to help users control, monitor, manage and visualize the automation processes. The portfolio includes Embedded Box PCs (QBOX & KUBE Series), Multi-media Panel PCs (HPC Series), Industrial Panel PCs (KPC Series) and Multi-touch Flat Panel PCs / Monitors (PPC, SPC, MPC & QTM Series) at all levels, from entry to professional, in order to satisfy various specific needs.

**Machine Automation**



**Factory Automation**

**Home Automation**



**Building Automation**

# Advanced Embedded Fanless Box PCs



Series	QBOX- 5000	QBOX-4000 Series	QBOX-1700	QBOX-1600
Model	QBOX-5000	QBOX-4000/4001	QBOX-1700	QBOX-1600
CPU	Celeron 1047UE	Celeron 827E/847E	Atom E3825	Atom N2600
CPU Socket	BGA	BGA	BGA	BGA
Chipset	HM76	HM65	-	NM10
Memory	1 x DDR3 up to 8GB	1 x DDR3 up to 8GB	1 x DDR3L up to 4GB	1 x DDR3 up to 2GB
Cooling	Passive	Passive	Passive	Passive
Storage Space	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD
CF Socket	-	1 (internal)	-	-
Micro SD	-	-	1	-
mSATA	-	-	-	-
VGA	-	1	1	1
DVI-I	-	-	-	-
HDMI	1	1	1	1
Display Port	2	1	-	1
USB 2.0	4	8	2	4
USB 3.0	4	-	1	-
Mini USB	-	-	-	-
eSATA/ USB 2.0 Combo	-	-	-	1
eSATA	-	-	-	-
RS232/422/ 485	1	1	1	2
RS232	4	1	-	-
Digital I/O	1	1	-	1 (Optional)
Parallel Port	-	-	-	-
Audio	Mic-in & Line-in/out	Mic-in & Line-in/out	Mic-in & Line-out	Mic-in & Line-out
S/PDIF	-	-	-	-
LAN Port	2	2	1	1
Mini-PCIe	1	1	1	1
SIM card Holder	1 (Optional)	1 (Optional)	1 (Optional)	-
Expansion	-	-	External Power Button	-
Mounting	VESA Mount	VESA Mount	VESA Mount	VESA Mount
Power Input Range	DC 12V	DC 12V	DC 19V	DC 19V
Operation Temp.	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C
System Dimension (WxDxH)	240x135x50 mm	240x135x50 mm	130x110x40 mm	130x110x40 mm

All specifications and photos are subject to change without notice

Advanced Embedded Fanless Box PCs

# QBOX-5000



## System

CPU	Intel® Celeron® 1047UE Processor
Chipset	Intel® HM76
Memory	1 x DDR3 SO-DIMM up to 8GB
Storage	1x 2.5" SATA HDD / SSD
I/O Panel	4x USB3.0 4x USB2.0 2x GbE 1x HDMI 2x DP 5x COM (COM1 with RS-232/422/485) 1x DIO 1x DC Jack 1 x Push button for power on/off 1x Power LED 1x HDD LED Line-in & Line-out & Mic-in
Expansion	1x Mini PCIe slot
OS Support	Windows 7 / Windows 8 / Linux
Power Input	DC 12V
Cooling	Fanless

## Features

- 1.6 liter fanless designed
- Intel® Celeron® Processor
- Support 1x DDR3 SO-DIMM up to 8GB
- Support 4x USB 3.0 & 4x USB 2.0
- Support 2x LAN ports with high speed data communication
- Support 5x COM & 1x DIO
- Onboard 1x mini-PCIe slot supports optional WiFi and 3G module

## Mechanical/Environmental

### Construction

Aluminum

### Temperature / Humidity

Operating Temperature: 0°C ~ 50°C  
Storage Temperature: -20°C ~ 80°C  
Humidity: 0% ~ 90%, non-condensing

### Dimensions (W x D x H)

240 x 135 x 50 mm / 9.45" x 5.31" x 1.97"

### Weight

1800 g / 3.97 lb

### Mounting

VESA Mount

### Certifications

CE, FCC Class A



Advanced Embedded Fanless Box PCs

## QBOX-4000 Series



Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors

### System

CPU	QBOX-4000: Intel® Celeron® 827E Processor QBOX-4001: Intel® Celeron® 847E Processor
Chipset	Intel® HM65
Memory	1x DDR3 SO-DIMM up to 8GB
Storage	1x 2.5" SATA HDD / SSD 1 x CF Socket (internal)
I/O Panel	8x USB2.0 1 x DC JACK 1x HDMI 1x VGA 1 x DP 2x GbE 2x COM (COM1 with RS-232/422/485) 1x DIO 1x Power LED 1x HDD LED 1 x Push button for power on/off Line-in & Line-out & Mic-in
Expansion	1x mini PCIe slot
OS Support	Windows 7 / Windows 8 / Linux
Power Input	DC 12V
Cooling	Fanless

### Features

- 1.6 liter fanless designed
- Intel® Celeron® Processors
- Support 1x DDR3 SO-DIMM up to 8GB
- Support 8x USB 2.0
- Support 2x LAN port with high speed data communication
- Support 1x HDMI, 1x DP & 1x VGA with high resolution display
- Support 2x COM & 1x DIO
- Onboard 1x mini-PCIe slot supports optional WiFi and 3G module

### Mechanical/Environmental

#### Construction

Aluminum

#### Temperature / Humidity

Operating Temperature: 0°C ~ 50°C  
Storage Temperature: -20°C ~ 80°C  
Humidity: 0% ~ 90%, non-condensing

#### Dimensions (W x D x H)

240 x 135 x 50 mm / 9.45" x 5.31" x 1.97"

#### Weight

1800 g / 3.97 lb

#### Mounting

VESA Mount

#### Certifications

CE, FCC Class A

All specifications and photos are subject to change without notice

Advanced Embedded Fanless Box PCs

# QBOX-1700



## System

CPU	Intel® Atom™ BayTrail Dual Core E3825 Processor
Memory	1x DDR3L SO-DIMM up to 4GB
Storage	1x 2.5" SATA HDD / SSD 1x Micro SD card cage
I/O Panel	2x USB2.0 1x USB3.0 1x RJ-45, GbE 1x RJ-45, RS-232/422/485 1x VGA 1x HDMI 1x DC JACK 1x Push button (w/ LED) for power on/off 1x WiFi LED 1x HDD LED 1x Reset Button 1x External Power Button 1x Phone Jack for Line-Out & MIC-In 2x WiFi Antennas (Optional) 1x 3G Antenna (Optional)
Expansion	1x mini PCIe slot
OS Support	Windows 7 / Windows 8 / Linux
Power Input	DC 19V
Cooling	Fanless



## Features

- 0.6 liter slim and compact fanless designed
- Intel® Atom™ BayTrail Dual Core E3825 Processor
- Support 1x DDR3L SO-DIMM up to 4GB
- Support 1x USB 3.0 & 2x USB 2.0
- Support 1x LAN port with high speed data communication
- Support 1x VGA & 1x HDMI with high resolution display
- Onboard 1x mini-PCIe slot supports optional WiFi and 3G module



## Mechanical/Environmental

<b>Construction</b>	Aluminum
<b>Temperature / Humidity</b>	Operating Temperature: 0°C ~ 50°C Storage Temperature: -20°C ~ 80°C Humidity: 0% ~ 90%, non-condensing
<b>Dimensions</b> (W x D x H)	113 x 110 x 40 mm / 5.12" x 4.33" x 1.57"
<b>Weight</b>	750 g / 1.65 lb
<b>Mounting</b>	VESA Mount
<b>Certifications</b>	CE, FCC Class A

All specifications and photos are subject to change without notice

# QBOX-1600



Advanced Embedded Fanless Box PCs

Performance Embedded Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat Panel PCs / Monitors

## System

CPU	Intel® Atom™ N2600 Processor
Chipset	Intel® NM10
Memory	1x DDR3 SO-DIMM up to 2GB
Storage	1 x 2.5" SATA HDD / SSD
I/O Panel	1x eSATA & USB 2.0 combo connector 4x USB2.0 1x DC JACK 1x HDMI 1x VGA 1x DP 1x GbE 2x COM (both with RS-232/422/485) 1x DIO (Optional) 1x Clear CMOS 2x WiFi external antenna (optional) 1x 3G external antenna (optional) 1x HDD LED 1 x WiFi LED 1x Push button (w/ LED) for power on/off Line-out & Mic-in
Expansion	1x mini PCIe slot
OS Support	Windows 7
Power Input	DC 19V
Cooling	Fanless

## Features

- 0.6 liter compact fanless designed
- Intel® Atom™ Processor
- Support 1x DDR3 SO-DIMM up to 2GB
- Support 4x USB 2.0
- Support 1x VGA, 1x HDMI & 1x DP with high resolution display
- Support 2x COM
- Onboard 1x mini-PCIe slot supports optional WiFi and 3G module

## Mechanical/Environmental

### Construction

Aluminum

### Temperature / Humidity

Operating Temperature: 0°C ~ 50°C  
Storage Temperature: -20°C ~ 80°C  
Humidity: 0% ~ 90%, non-condensing

### Dimensions (W x D x H)

113 x 110 x 40 mm / 5.12" x 4.33" x 1.57"

### Weight

750 g / 1.65 lb

### Mounting

VESA Mount

### Certifications

CE, FCC Class A



# Memo

Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors

## Performance Embedded Fanless Box PCs



Model	KUBE-8130	KUBE-8030
Model	KUBE-8130	KUBE-8030
CPU	Celeron J1900	Atom D2550
CPU Socket	BGA	BGA
Chipset	-	NM10
Memory	2 x DDR3L up to 8GB	1 x DDR3 up to 4GB
Cooling	Passive	Passive
Storage Space	1 x 2.5" HDD/SSD	2 x 2.5" HDD/SSD
CF Socket	-	-
Micro SD	-	-
mSATA	1	-
VGA	1	1
DVI-I	-	-
HDMI	1	1
Display Port	-	-
USB 2.0	5	7
USB 3.0	1	-
Mini USB	-	-
eSATA/ USB 2.0 Combo	-	-
eSATA	-	-
RS232/422/ 485	2	1
RS232	8	7
Digital I/O	-	-
Parallel Port	1	-
Audio	Min-in & Line-out	Mic-in & Line-in/out
S/PDIF	-	-
LAN Port	2	2
Mini-PCIe	-	-
SIM card Holder	-	-
Expansion	-	-
Mounting	Wall Mount	Wall Mount
Power Input Range	DC 12V ~ 24V	DC 24V
Operation Temp.	0°C ~ 50°C	0°C ~ 50°C
System Dimension (WxDxH)	220x180x68 mm	220x180x68 mm

All specifications and photos are subject to change without notice

Performance Embedded Fanless Box PCs

# KUBE-8130



## System

CPU	Intel® Celeron® BayTrail Quad Core J1900
Memory	2x DDR3L SO-DIMM up to 8GB
Storage	1 x 2.5" SATA HDD / SSD 1x mSATA
I/O Panel	1x HDMI 1x VGA 1x USB3.0 5x USB2.0 10x COM (COM1~2 w/ RS-232/422/485) 1x Parallel Port 2x GbE 1x DC JACK 1x Push button for power on/off 1x Power LED 1 x HDD LED Line-out & Mic-in
OS Support	Windows 7 / Windows 8
Power Input	DC 12V ~ 24V
Cooling	Fanless

## Features

- Fanless designed
- Intel® Celeron® BayTrail Quad Core Processor
- Support 2x DDR3L SO-DIMM up to 8GB
- Support 1x USB 3.0 & 5x USB 2.0
- Support 2x LAN port with high speed data communication
- Support 1x HDMI & 1x VGA with high resolution display
- Support 10x COM, 1x Parallel Port

## Mechanical/Environmental

<b>Construction</b>	Aluminum
<b>Temperature / Humidity</b>	Operating Temperature: 0°C ~ 50°C Storage Temperature: -20°C ~ 80°C Humidity: 0% ~ 90%, non-condensing
<b>Dimensions (W x D x H)</b>	220 x 180 x 68 mm / 8.66" x 7.09" x 2.68"
<b>Weight</b>	2200 g / 4.85 lb
<b>Mounting</b>	Wall Mount
<b>Certifications</b>	CE, FCC Class A

All specifications and photos are subject to change without notice

Advanced Embedded Fanless Box PCs

Performance Embedded Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat Panel PCs / Monitors

Performance Embedded Fanless Box PCs

# KUBE-8030

Advanced Embedded Fanless Box PCs

Performance Embedded Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat Panel PCs / Monitors



## System

CPU	Intel® Atom™ Dual Core D2550 Processor
Chipset	Intel® NM10
Memory	1x DDR3 SO-DIMM up to 4GB
Storage	2x 2.5" SATA HDD / SSD
I/O Panel	7x USB 2.0 1x HDMI 1x VGA 2x GbE 8x COM (COM1 with RS-232/422/485) 1x DC-IN 1x Push button for power on/off 1x Power LED 1 x HDD LED Line-In, Line-Out and Mic-In Supported
OS Support	Windows 7
Power Input	DC 24V
Cooling	Fanless



## Features

- Fanless designed
- Intel® Atom™ Dual Core Processor
- Support 1x DDR3 SO-DIMM up to 4GB
- Support 7x USB 2.0
- Support 2x LAN port with high speed data communication
- Support 1x HDMI & 1x VGA with high resolution display
- Support 8x COM



## Mechanical/Environmental

### Construction

Aluminum

### Temperature / Humidity

Operating Temperature: 0°C ~ 50°C  
Storage Temperature: -20°C ~ 80°C  
Humidity: 0% ~ 90%, non-condensing

### Dimensions (W x D x H)

220 x 180 x 68 mm / 8.66" x 7.09" x 2.68"

### Weight

2200 g / 4.85 lb

### Mounting

Wall Mount

### Certifications

CE, FCC Class A

All specifications and photos are subject to change without notice



# Memo



Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors



# Multi-media Panel PCs



Series	HPC-1050 Series	HPC-1010
Model	HPC-1050/1051	HPC-1010
Size	10.1" (16:9)	10.1" (16:9)
Back Light	LED	LED
Max Resolution	1024x600	1024x600
Brightness(cd/m2)	200	200
Touch Screen	5-wire Resistive	5-wire Resistive
CPU	Celeron J1900 / Atom E3825	Atom N2800
CPU Socket	BGA	BGA
Chipset	-	NM10
Memory	1 x DDR3L up to 8/4GB	1 x DDR3 up to 4GB
Cooling	Passive	Passive
HDD space	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD
CF Socket	-	-
Micro SD	-	-
mSATA	-	-
VGA	1	-
DVI-I	-	1
HDMI	1	1
Display Port	-	-
USB 2.0	4	6
USB 3.0	1	-
Mini USB	-	-
eSATA/ USB 2.0 Combo	-	-
eSATA	-	-
RS232/422/ 485	2	1
RS232	-	-
Digital I/O	-	-
Parallel Port	-	-
Audio	Mic-in & Line-in/out	Mic-in & Line-in/out
S/PDIF	-	-
LAN Port	2	2
Camera	-	-
Mini-PCIe	1	1
SIM card Holder	-	-
Others	-	-
Power Switch	1	1
Power Input Range	DC 12V	DC 12V
Mounting	VESA Mount	VESA Mount
IP Level	-	-
Operation Temp.	0°C ~ 40°C	0°C ~ 40°C
System Dimension (WxHxD)	262x200x61 mm	262x200x74 mm

All specifications and photos are subject to change without notice

Multi-media Panel PCs

# HPC-1050 Series



## Features

- 10.1" LCD Multi-media display fanless system
- Intel® BayTrail Processor
- Support 1x DDR3L SO-DIMM up to 8/4GB
- Support 1x USB 3.0 & 4x USB 2.0
- Support 2x LAN port with high speed data communication
- Support 1x HDMI & 1x VGA with high resolution display

## System

CPU	HPC-1050: Intel® Celeron® Quad Core J1900 HPC-1051: Intel® Atom™ Dual Core E3825
Memory	HPC-1050: 1x DDR3L SO-DIMM up to 8GB HPC-1051: 1x DDR3L SO-DIMM up to 4GB
Storage	1x 2.5" SATA HDD / SSD
I/O Panel	1x HDMI 1x VGA 1x USB 3.0 4x USB 2.0 2x COM (with RS-232/422/485) 2 x GbE 1x DC JACK 1 x Power On/Off Switch Line-in & Line-out & Mic-in
Expansion	1x Mini-PCIe Slot
OS Support	Windows 7 / Windows 8 / Linux
Power Input	DC 12V
Cooling	Fanless

## Display

Display Type	10.1" LED-backlight TFT LCD
Resolution	1024 x 600
Brightness	200 cd/m <sup>2</sup>
Contrast Ratio	500:1
Touch	5-wire resistive touch sensor

## Mechanical/Environmental

Construction	Plastic
Temperature / Humidity	Operating Temperature: 0°C ~ 40°C Storage Temperature: -20°C ~ -60°C Humidity: 10% ~ 85%, non-condensing
Dimensions (W x H x D)	262 x 200 x 61 mm / 10.31" x 7.87" x 2.40"
Mounting	VESA Mount
Certifications	CE, FCC Class A

Advanced Embedded Fanless Box PCs

Performance Embedded Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat Panel PCs / Monitors

Multi-media Panel PCs

# HPC-1010



Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors

## System

CPU	Intel® Atom™ N2800
Chipset	Intel® NM10
Memory	1x DDR3 SO-DIMM up to 4GB
Storage	1x 2.5" SATA HDD / SSD
I/O Panel	1x HDMI 1x DVI-I 6x USB 2.0 1x COM (with RS-232/422/485) 2x GbE 1x DC JACK 1 x Power On/Off Switch Line-in & Line-out & Mic-in
Expansion	1x Mini-PCIe Slot
OS Support	Windows 7
Power Input	DC 12V
Cooling	Fanless

## Display

Display Type	10.1" LED-backlight TFT LCD
Resolution	1024 x 600
Brightness	200 cd/m <sup>2</sup>
Contrast Ratio	500:1
Touch	5-wire resistive touch sensor

## Features

- 10.1" LCD Multi-media display fanless system
- Intel® Atom™ N2800 Processor
- Support 1x DDR3 SO-DIMM up to 4GB
- Support 6x USB 2.0
- Support 2x LAN port with high speed data communication
- Support 1x HDMI & 1x DVI-I with high resolution display

## Mechanical/Environmental

Construction	Plastic
Temperature / Humidity	Operating Temperature: 0°C ~ 40°C Storage Temperature: -20°C ~ -60°C Humidity: 10% ~ 85%, non-condensing
Dimensions (W x H x D)	262 x 200 x 74 mm / 10.31" x 7.87" x 2.91"
Mounting	VESA Mount
Certifications	CE, FCC Class A

All specifications and photos are subject to change without notice



# Memo

Advanced Embedded Fanless Box PCs

Performance Embedded Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat Panel PCs / Monitors

# Industrial Panel PCs



NEW  
PRODUCT



NEW  
PRODUCT



NEW  
PRODUCT

Series	KPC-2150	KPC-15B0/17B0	KPC-15A0/17A0	KPC-1570/1770 Series
Model	KPC-2150	KPC-15B0/17B0	KPC-15A0/17A0	KPC-1570/1571/1770/1771
Size	21.5"	15"/17"	15"/17"	15"/17"
Back Light	LED	LED	LED	LED
Max Resolution	1920x1080	1024x768 / 1280x1024	1024x768 / 1280x1024	1024x768 / 1280x1024
Brightness(cd/m <sup>2</sup> )	300	350	350	350
Touch Screen	5-wire resistive	5-wire resistive	5-wire resistive	5-wire resistive
CPU	Celeron J1900	4th Core i3,i5,i7 / Celeron	2nd Core i3,i5,i7	Celeron J1900 / Atom E3825
CPU Socket	BGA	rPGA947	PGA	BGA
Chipset	-	HM87 / QM87	QM67 / HM65	-
Memory	1 x DDR3L up to 8GB	2 x DDR3L up to 16GB	1 x DDR3 up to 8GB	1 x DDR3L up to 8/4GB
Cooling	Passive	Active	Active	Passive
HDD space	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD
CF Socket	-	-	-	-
Micro SD	-	-	-	-
mSATA	1	1	-	1
VGA	1	1	1	1
DVI-I / DVI-D	-	1x DVI-D	-	-
HDMI	1	1	1	1
Display Port	-	-	1	-
USB 2.0	4	-	4	4
USB 3.0	1	4	-	1
Mini USB	-	-	-	-
eSATA/ USB 2.0 Combo	-	-	-	-
eSATA	-	-	-	-
RS232/422/ 485	2	2	1	2
RS232	-	2	1	-
Digital I/O	-	1	1	-
Parallel Port	-	-	-	-
Audio	Mic-in & Line-in/out	Mic-in & Line-out	Mic-in & Line-in/out	Mic-in & Line-in/out
S/PDIF	-	-	-	-
LAN Port	2	2	2	2
Camera	-	-	-	-
Mini-PCIe	1	2	1	1
SIM card Holder	-	1	-	-
Others	-	-	-	-
Power Switch	1	1	1	1
Power Input Range	AC 100~240V	DC 12V	AC 100~240V (Option DC 12 / 24V)	DC 12V / 24V
Mounting	VESA Mount/ Panel Mount	VESA Mount/ Panel Mount	VESA Mount/ Panel Mount	VESA Mount / Panel Mount
IP Level	IP65	IP65	IP65	IP65
Operation Temp.	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C
System Dimension (WxHxD)	543x339x65 mm	410x315x82 mm 442x354x93 mm	410x315x82 mm 442x354x93 mm	410x315x58 mm 442x354x58 mm

All specifications and photos are subject to change without notice

# Industrial Panel PCs



Series	KPC-1560/1760 Series	KPC-1260 Series	KPC-1210	KPC-1030 Series
Model	KPC-1560/1561/1760/1761	KPC-1260/1261	KPC-1210	KPC-1030/1031
Size	15"/17"	12.1"	12.1"	10.4"
Back Light	LED	LED	LED	LED
Max Resolution	1024x768/ 1280x1024	1024x768	1024x768	800x600
Brightness(cd/m <sup>2</sup> )	350	500	500	230
Touch Screen	5-wire resistive	5-wire resistive	5-wire resistive	5-wire resistive
CPU	Atom D2550	Celeron J1900 / Atom E3825	Atom D2550	Celeron J1900 / N2807
CPU Socket	BGA	BGA	BGA	BGA
Chipset	NM10	-	NM10	-
Memory	1 x DDR3 up to 4GB	1 x DDR3L up to 8/4GB	1 x DDR3 up to 4GB	1 x DDR3L up to 8/4GB
Cooling	Passive	Passive	Passive	Passive
HDD space	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD	1 x 2.5" HDD/SSD
CF Socket	-	-	-	-
Micro SD	-	-	-	-
mSATA	-	-	-	1
VGA	1	1	1	1
DVI-I / DVI-D	-	-	-	-
HDMI	1	1	1	1
Display Port	1/-/-	-	1	-
USB 2.0	4	4	3	2
USB 3.0	-	1	-	1
Mini USB	-	-	-	-
eSATA/ USB 2.0 Combo	-	-	-	-
eSATA	-	-	-	-
RS232/422/ 485	2/1/1/1	2	2	2
RS232	-/5/1/5	-	-	2
Digital I/O	-	-	-	-
Parallel Port	-	-	-	-
Audio	Mic-in & Line-in/out	Mic-in & Line-in/out	Mic-in & Line-in/out	-
S/PDIF	-	-	-	-
LAN Port	2	2	2	2
Camera	-	-	-	-
Mini-PCIe	1/-/2/-	1	1	1
SIM card Holder	-	-	-	-
Others	1x PCI (KPC-1561/1761)	-	-	-
Power Switch	1	1	1	1
Power Input Range	DC 12/24V AC 100~240V	DC 12V	DC 12V	DC 12V
Mounting	VESA Mount/ Panel Mount	VESA Mount / Panel Mount	VESA Mount/ Panel Mount	VESA Mount / Panel Mount
IP Level	IP65	IP65	IP65	IP65
Operation Temp.	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C
System Dimension (WxHxD)	410x315x49 mm 410x315x82 mm 442x354x58 mm 442x354x93 mm	343x269x58 mm	343x269x36 mm	298x234x83 mm

Advanced Embedded Fanless Box PCs

Performance Embedded Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat Panel PCs / Monitors

Industrial Panel PCs

# KPC-2150



## Features

- 21.5" widescreen LCD industrial display system
- Intel® Celeron® J1900 Processor
- Support 1x DDR3L SO-DIMM up to 8GB
- Support 1x USB 3.0 & 4x USB 2.0
- Support 2x LAN port with high speed data communication
- Support 2x COM (w/ RS-232/422/485)
- Support 1x VGA & 1x HDMI with high resolution display
- IP65 approved front bezel
- Onboard 1x mini-PCIe slot

## System

CPU	Intel® Celeron® J1900 Processor
Memory	1x DDR3L SO-DIMM up to 8GB
Storage	1x 2.5" HDD/SSD 1x mSATA
I/O Panel	1x VGA 1x HDMI 1x USB 3.0 4x USB 2.0 2x COM (with RS-232/422/485) 2x GbE 1x AC IN 1 x Power On/Off Switch 1x Power LED Line-in & Line-out & Mic-in
Expansion	1x Mini-PCIe Slot
OS Support	Windows 7 / Windows 8 / Linux
Power Input	AC 100~240V
Cooling	Fanless

## Display

<b>Display Type</b>	21.5" widescreen LED-backlight TFT LCD
<b>Resolution</b>	1920 x 1080
<b>Brightness</b>	300 cd/m <sup>2</sup>
<b>Contrast Ratio</b>	5000:1
<b>Touch</b>	5-wire resistive touch sensor

## Mechanical/Environmental

<b>Construction</b>	Aluminum Front Bezel
<b>Temperature / Humidity</b>	Operating Temperature: 0°C ~ 50°C Storage Temperature: -20°C ~ 70°C Humidity: 10% ~ 80%, non-condensing
<b>Dimensions</b> (W x H x D)	543 x 339 x 65 mm / 21.38" x 13.35" x 2.56"
<b>Mounting</b>	VESA mount / Panel mount
<b>Certifications</b>	CE, FCC Class A

All specifications and photos are subject to change without notice

Industrial Panel PCs

# KPC-15B0 / 17B0



## System

CPU	4th Gen. Intel® Haswell Core™ i / Celeron®
Chipset	Intel® HM87 / QM87 Express Chipset
Memory	2x DDR3L SO-DIMM up to 16GB
Storage	1x 2.5" SATA HDD / SSD
I/O Panel	1x VGA 1x DVI-D 1x HDMI 4x USB 3.0 4x COM (COM1~2 with RS-232/422/485) 1x DIO 2x GbE 1x DC Jack 1 x Power On/Off Switch Line-out & Mic-in
Expansion	2x Mini-PCIe Slot 1x SIM card slot
OS Support	Windows 7 / Windows 8 / Linux
Power Input	DC 12V
Cooling	System Fan

## Features

- 15"/17" LCD industrial display system
- Intel® 4th Gen. Core™ i / Celeron® Processors
- Support 2x DDR3L SO-DIMM up to 16GB
- Support 4x USB 3.0
- Support 2x LAN port with high speed data communication
- Support 4x COM and 1x DIO
- Support 1x VGA, 1x DVI-D & 1x HDMI with high resolution display
- IP65 approved front bezel
- Onboard 2x mini-PCIe slot supports optional WiFi /3G module

## Display

### Display Type

15" 4:3 LED-backlight TFT LCD / 17" 5:4 LED-backlight TFT LCD

### Resolution

15": 1024 x 768 XGA / 17": 1280 x 1024 SXGA

### Brightness

350 cd/m<sup>2</sup>

### Contrast Ratio

15": 600:1 / 17": 1000:1

### Touch

5-wire resistive touch sensor

## Mechanical/Environmental

### Construction

Aluminum Front Bezel

### Temperature / Humidity

Operating Temperature: 0°C ~ 50°C  
Storage Temperature: -20°C ~ 70°C  
Humidity: 0% ~ 95%, non-condensing

### Dimensions (W x H x D)

15": 410 x 315 x 82 mm / 16.14" x 12.40" x 3.23"  
17": 442 x 354 x 93 mm / 17.40" x 13.94" x 3.66"

### Mounting

VESA mount / Panel mount

### Certifications

CE, FCC Class A



Industrial Panel PCs

# KPC-15A0 / 17A0

Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors



## System

CPU	2nd Generation Intel® Core™ i3/i5/i7 Processor
Chipset	Intel® QM67/ HM65
Memory	1x DDR3 SO-DIMM up to 8GB
Storage	1x 2.5" SATA HDD / SSD
I/O Panel	1x VGA 1x HDMI 1x DP 4x USB 2.0 2x COM (COM1 with RS-232/422/485) 1x DIO 2x GbE 1x AC IN 1 x Power On/Off Switch Line-In & Line-Out & MIC-In
Expansion	1x Mini-PCIe Slot
OS Support	Windows 7 / Windows 8 / Linux
Power Input	AC 100~240V (Optional DC12/24V)
Cooling	System Fan

## Features

- 15"/17" LCD industrial display system
- Intel® 2nd Gen. Core™ i Processors
- Support 1x DDR3 SO-DIMM up to 8GB
- Support 4x USB 2.0
- Support 2x LAN port with high speed data communication
- Support 2x COM and 1x DIO
- Support 1x VGA, 1x HDMI & 1x DP with high resolution display
- IP65 approved front bezel
- Onboard 1x mini-PCIe slot

## Display

Display Type	15" 4:3 LED-backlight TFT LCD / 17" 5:4 LED-backlight TFT LCD
Resolution	15": 1024 x 768 XGA / 17": 1280 x 1024 SXGA
Brightness	350 cd/m <sup>2</sup>
Contrast Ratio	15": 600:1 / 17": 1000:1
Touch	5-wire resistive touch sensor

## Mechanical/Environmental

Construction	Aluminum Front Bezel
Temperature / Humidity	Operating Temperature: 0°C ~ 50°C Storage Temperature: -20°C ~ 70°C Humidity: 0% ~ 95%, non-condensing
Dimensions (W x H x D)	15": 410 x 315 x 82 mm / 16.14" x 12.40" x 3.23" 17": 442 x 354 x 93 mm / 17.40" x 13.94" x 3.66"
Mounting	VESA mount / Panel mount
Certifications	CE, FCC Class A, IP65 front bezel

All specifications and photos are subject to change without notice

Industrial Panel PCs

# KPC-1570 / 1770 Series



KPC-1570 Series Rear Bottom I/O Ports



KPC-1570 Series Rear Right I/O Ports



KPC-1770 Series Rear Bottom I/O Ports

## Features

- 15"/17" LCD industrial display system
- Intel® BayTrail Processors
- Support 1x DDR3L SO-DIMM up to 8/4GB
- Support 1x USB 3.0 & 4x USB 2.0
- Support 2x LAN port with high speed data communication
- Support 2x COM
- Support 1x VGA & 1x HDMI with high resolution display
- IP65 approved front bezel
- Onboard 1x mini-PCIe slot

## System

CPU	KPC-1570/1770: Intel® Celeron® Quad Core J1900 KPC-1571/1771: Intel® Atom™ Dual Core E3825
Memory	1x DDR3L SO-DIMM up to 8/4GB
Storage	1x 2.5" SATA HDD / SSD 1x mSATA
I/O Panel	1x VGA 1x HDMI 1x USB 3.0 4x USB 2.0 2x COM (with RS-232/422/485) 2x GbE 1x DC IN 1 x Power On/Off Switch Line-In & Line-Out & MIC-In
Expansion	1x Mini-PCIe Slot
OS Support	Windows 7 / Windows 8
Power Input	DC 12V / 24V
Cooling	Fanless

## Display

Display Type	15" 4:3 LED-backlight TFT LCD / 17" 5:4 LED-backlight TFT LCD
Resolution	15": 1024 x 768 XGA / 17": 1280 x 1024 SXGA
Brightness	350 cd/m <sup>2</sup>
Contrast Ratio	15": 600:1 / 17": 1000:1
Touch	5-wire resistive touch sensor

## Mechanical/Environmental

Construction	Aluminum Front Bezel
Temperature / Humidity	Operating Temperature: 0°C ~ 50°C Storage Temperature: -20°C ~ 70°C Humidity: 0% ~ 95%, non-condensing
Dimensions (W x H x D)	15": 410 x 315 x 58 mm / 16.14" x 12.40" x 2.28" 17": 442 x 354 x 58 mm / 17.40" x 13.94" x 2.28"
Mounting	VESA mount / Panel mount
Certifications	CE, FCC Class A

All specifications and photos are subject to change without notice

Advanced Embedded Fanless Box PCs

Performance Embedded Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat Panel PCs / Monitors

Industrial Panel PCs

# KPC-1560 / 1760 Series

Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors



KPC-1560 Rear Bottom I/O Ports



KPC-1560 Rear Right I/O Ports



KPC-1561/1761 Rear Bottom I/O Ports



KPC-1760 Rear Bottom I/O Ports

## Features

- 15"/17" LCD industrial display fanless system
- Intel® Atom™ Processors
- Support 1x DDR3 SO-DIMM up to 4GB
- Support 4x USB 2.0
- Support 2x LAN port with high speed data communication
- Support up to 6x COM
- Support 1x HDMI, 1x VGA & 1x DP (KPC-1560)
- Onboard up to 2x Mini-PCIe slot
- IP65 approved front bezel

## System

CPU	Intel® Atom™ Processor D2550
Chipset	Intel® NM10
Memory	1x DDR3 SO-DIMM up to 4GB
Storage	1x 2.5" SATA HDD / SSD
I/O Panel	4x USB2.0 2x GbE 1x HDMI 1x VGA 1x DP (KPC-1560) 2x COM w/ RS-232/422/485 (KPC-1560) 1x COM w/ RS-232/422/485 (KPC-1561/1760/1761) 5x COM w/ RS-232 (KPC-1561/1761) 1x COM w/ RS-232 (KPC-1760) 1x DC IN (KPC-1560/1760) 1x AC IN (KPC-1561/1761) 1x Power On/Off Switch Line-In & Line-Out & MIC-In
Expansion	1x mPCIe (KPC-1560) / 2x mPCIe (KPC-1760) 1x PCI Slot (KPC-1561/1761)
OS Support	Windows 7
Power Input	DC 12V / 24V (KPC-1560/1760) AC 100V ~ 240V (KPC-1561/1761)
Cooling	Fanless

## Display

### Display Type

15" 4:3 LED-backlight TFT LCD / 17" 5:4 LED-backlight TFT LCD

### Resolution

15": 1024 x 768 XGA / 17": 1280 x 1024 SXGA

### Brightness

350 cd/m<sup>2</sup>

### Contrast Ratio

15": 600:1 / 17": 1000:1

### Touch

5-wire resistive touch sensor

## Mechanical/Environmental

### Construction

Aluminum Front Bezel

### Temperature / Humidity

Operating Temperature: 0°C ~ 50°C  
Storage Temperature: -20°C ~ 70°C  
Humidity: 0% ~ 95%, non-condensing

### Dimensions (W x H x D)

KPC-1560: 410 x 315 x 49 mm / 16.14" x 12.40" x 1.93"  
KPC-1561: 410 x 315 x 82 mm / 16.14" x 12.40" x 3.23"  
KPC-1760: 442 x 354 x 58 mm / 17.40" x 13.94" x 2.28"  
KPC-1761: 442 x 354 x 93 mm / 17.40" x 13.94" x 3.66"

### Mounting

VESA mount / Panel mount

### Certifications

CE, FCC Class A, IP65 Front Bezel

All specifications and photos are subject to change without notice

Industrial Panel PCs

# KPC-1260 Series



## Features

- 12.1" LCD industrial display fanless system
- Intel® BayTrail Processors
- Support 1x DDR3L SO-DIMM up to 8/4GB
- Support 1x USB 3.0 & 4x USB 2.0
- Support 2x LAN port with high speed data communication
- Support 2x COM
- Support 1x HDMI & 1x VGA with high resolution display
- Onboard 1x Mini-PCIe slot
- IP65 approved front bezel

## System

CPU	KPC-1260: Intel® Celeron® Quad Core J1900 KPC-1261: Intel® Atom™ Dual Core E3825
Memory	1x DDR3L SO-DIMM up to 8/4GB
Storage	1x 2.5" SATA HDD / SSD
I/O Panel	1x VGA 1x HDMI 1x USB 3.0 4x USB 2.0 2x COM (with RS-232/422/485) 2x GbE 1x DC Jack 1 x Power On/Off Switch Line-In & Line-Out & MIC-In
Expansion	1x Mini-PCIe Slot
OS Support	Windows7 / Windows 8
Power Input	DC 12V / 24V
Cooling	Fanless

## Display

Display Type	12.1" 4:3 LED-backlight TFT LCD
Resolution	1024 x 768 XGA
Brightness	500 cd/m <sup>2</sup>
Contrast Ratio	1000:1
Touch	5-wire resistive touch sensor

## Mechanical/Environmental

Construction	Aluminum Front Bezel
Temperature / Humidity	Operating Temperature: 0°C ~ 50°C Storage Temperature: -20°C ~ 70°C Humidity: 0% ~ 95%, non-condensing
Dimensions <small>(W x H x D)</small>	343 x 269 x 58 mm / 13.50" x 10.59" x 2.28"
Mounting	VESA mount / Panel mount
Certifications	CE, FCC Class A

All specifications and photos are subject to change without notice

Industrial Panel PCs

# KPC-1210

Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors



## Features

- 12.1" LCD industrial display fanless system
- Intel® Atom™ Processors
- Support 1x DDR3 SO-DIMM up to 4GB
- Support 3x USB 2.0
- Support 2x COM
- Support 2x LAN port with high speed data communication
- Support 1x VGA, 1x HDMI & 1xDP with high resolution display
- Onboard 1x mini-PCIe slot
- IP65 approved front bezel

## System

CPU	Intel® Atom™ Processor D2550
Chipset	Intel® NM10
Memory	1x DDR3 SO-DIMM up to 4GB
Storage	1x 2.5" SATA HDD / SSD
I/O Panel	3x USB2.0 2x GbE 1x HDMI 1x VGA 1x DP 2 x COM (both with RS-232/422/485) 1x DC JACK 1 x Power On/Off Switch Line-In & Line-Out & MIC-In
Expansion	1x Mini-PCIe Slot
Power Input	DC 12V
Cooling	Fanless

## Display

Display Type	12.1" 4:3 LED-backlight TFT LCD
Resolution	1024 x 768 XGA
Brightness	500 cd/m <sup>2</sup>
Contrast Ratio	1000:1
Touch	5-wire resistive touch sensor

## Mechanical/Environmental

Construction	Aluminum Front Bezel
Temperature / Humidity	Operating Temperature: 0°C ~ 50°C Storage Temperature: -20°C ~ 70°C Humidity: 0% ~ 95%, non-condensing
Dimensions <small>(W x H x D)</small>	343 x 269 x 36 mm / 13.50" x 10.59" x 1.42"
Mounting	VESA mount / Panel mount
Certifications	CE, FCC Class A, IP65 Front Bezel

All specifications and photos are subject to change without notice

Industrial Panel PCs

# KPC-1030 Series



## System

CPU	KPC-1030: Intel® Celeron® Quad Core J1900 KPC-1031: Intel® Celeron® Dual Core N2807
Memory	1x DDR3L SO-DIMM up to 8/4GB
Storage	1x 2.5" SATA HDD / SSD 1x mSATA
I/O Panel	1x VGA 1x HDMI 1x USB 3.0 2x USB 2.0 4x COM (COM1~2 with RS-232/422/485) 2x GbE port 1x DC IN 1x Power On/Off Switch
Expansion	1x Mini-PCle Slot
Power Input	DC 12V
Cooling	Fanless

## Display

Display Type	10.4" 4:3 LED-backlight TFT LCD
Resolution	800 x 600
Brightness	230 cd/m <sup>2</sup>
Contrast Ratio	600:1
Touch	5-wire resistive touch sensor

## Features

- 10.4" LCD industrial display fanless system
- Intel® BayTrail Processors
- Support 1x DDR3L SO-DIMM up to 8/4GB
- Support 1x VGA & 1x HDMI
- Support 1x USB 3.0 & 2x USB 2.0
- Support 4x COM
- Support 2x LAN port
- Onboard 1x mini-PCle slot
- IP65 approved front bezel

## Mechanical/Environmental

Construction	Aluminum Front Bezel
Temperature / Humidity	Operating Temperature: 0°C ~ 50°C Storage Temperature: -20°C ~ 70°C Humidity: 0% ~ 95%, non-condensing
Dimensions (W x H x D)	298 x 234 x 83 mm / 11.73" x 9.21" x 3.27"
Mounting	VESA mount / Panel mount
Certifications	CE, FCC Class A

All specifications and photos are subject to change without notice

Advanced Embedded Fanless Box PCs

Performance Embedded Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat Panel PCs / Monitors

# Multi-touch Bezel-free Flat Panel PCs / Monitors



Series	SPC-1500/1700/1900 Series	PPC-1500/1700/1900	MPC-1500/1700/1900 Series	QTM-1500/1700/1900/2150
Model	SPC-1500/1510/1520/1530/ 1700/1710/1720/1730/ 1900/1910/1920/1930	PPC-1500/1700/1900	MPC-1500/1510/1520/1530/ 1700/1710/1720/1730/ 1900/1910/1920/1930	QTM- 1500/1700/1900/2150
Size	15" (4:3) / 17" (5:4) / 19" (5:4)	15" (4:3) / 17" (5:4) / 19" (5:4)	15" (4:3) / 17" (5:4) / 19" (5:4)	15" (4:3) / 17" (5:4) / 19" (5:4) / 21.5" (16:9)
Back Light	LED	LED	LED	LED
Max Resolution	1024x768 / 1280x1024	1024x768 / 1280x1024	1024x768 / 1280x1024	1024x768 / 1280x1024 / 1920x1080
Brightness(cd/m <sup>2</sup> )	350 / 250	350 / 250	350 / 250	350 / 250 / 300
Touch Screen	10-point PCT	10-point PCT	10-point PCT	10-point PCT
CPU	4th Core i3 / i5 / i7 / Celeron J1900	Celeron J1900	4th Core i3 / i5 / i7 / Celeron J1900	-
CPU Socket	BGA	BGA	BGA	-
Chipset	QM87 / -	-	QM87 / -	-
Memory	2 x DDR3L up to 16/8GB	1 x DDR3L up to 8GB	2 x DDR3L up to 16/8GB	-
Cooling	Active / Passive	Passive	Active / Passive	Passive
HDD space	1 x 2.5" HDD (removable)	1 x 2.5" HDD / SSD	1 x 2.5" HDD (removable)	-
CF Socket	-	-	-	-
Micro SD	-	-	-	-
mSATA	2 (mixed w/ mPCIe) / -	1	2 (mixed w/ mPCIe) / -	-
VGA	-	1	1	1
DVI-D	-	-	1	1
HDMI	1	1	2	1
Display Port	1 / -	-	1 / -	-
USB 2.0	- / 3	2	- / 3	-
USB 3.0	6 / 3	1	4 / 1	-
Mini USB	-	-	-	-
eSATA/ USB 2.0 Combo	-	-	-	-
eSATA	-	-	-	-
RS232/422/ 485	-	1	-	-
RS232	-	-	-	-
Digital I/O	-	-	-	-
Parallel Port	-	-	-	-
Audio	Mic-in & Line-in/out	Min-in & Line-out	Mic-in & Line-in/out	Min-in & Line-out
S/PDIF	-	-	-	-
LAN Port	2	2	2	-
Camera	-	-	-	-
Mini-PCIe	2/1	1	2/1	-
SIM card Holder	1	1	1	-
Others	-	-	-	-
Power Switch	1	1	1	-
Power Input Range	DC 12V / 24V (optional)	DC 12V / 24V (optional)	DC 12V / 24V (optional)	DC 12V / 24V (optional)
Mounting	VESA Mount / Panel Mount	VESA Mount / Panel Mount	VESA Mount / Panel Mount	VESA Mount / Panel Mount
IP Level	IP65	IP65	IP65	IP65
Operation Temp.	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C
System Dimension (WxHxD)	382x306x68 mm 413x334x73 mm 447x372x70 mm	382x306x68 mm 413x334x73 mm 447x372x70 mm	382x306x68 mm 413x334x73 mm 447x372x70 mm	382x306x68 mm 413x334x73 mm 447x372x70 mm 543x339x65 mm

All specifications and photos are subject to change without notice

Multi-touch Bezel-free Flat Panel PCs / Monitors

# SPC-1500/1700/1900 Series



## Features

- 15" / 17" / 19" LED-backlight 10-point PCT Multi-touch Bezel-free Flat Panel PC
- OPS Compliant
- 4th Generation Intel® Core™ i3 / i5/ i7 / Celeron® J1900 Processors
- Support 2x DDR3L SO-DIMM up to 16/8GB
- Support 1x VGA & 1x DP (for Core™ i)
- Support 6/3x USB3.0, 3x USB2.0 (for Celeron®)
- Support 2x LAN port
- Onboard 2/1x mini-PCIe slot, 1x SIM card holder
- IP65 approved front bezel
- Glass hardness of 6H

## System

CPU	SPC-1500/1700/1900: Intel® Core™ i7-4700HQ SPC-1510/1710/1910: Intel® Core™ i7-4700EQ SPC-1520/1720/1920: Intel® Core™ i5-4400E SPC-1530/1730/1930: Intel® Celeron® J1900
Chipset	Intel® QM87 Express Chipset (for Core™ i)
Memory	2x DDR3L 1333/1600 MT/S SO-DIMM up to 16 GB (for Core™ i) 2x DDR3L 1333 MT/S SO-DIMM up to 8GB (for Celeron®)
Storage	1x 2.5" Slim Type HDD Slot (Removable) 2x mSATA mixed w/ mPCIe (for Core™ i)
I/O Panel	1x HDMI 1x DP (for Core™ i) 6x USB3.0 (for Core™ i) / 3x USB3.0 (for Celeron®) 3x USB2.0 (for Celeron®) 2x GbE 1x Audio Jack for Line-out/Line-in/Mic-in 1x Audio Jack for Line-out 1x Clear CMOS 3x Antennas 1x HDD LED 1 x WiFi LED 1x Push button (w/ LED) for power on/off 1x DC Jack
Expansion	2x mPCIe (Core™ i) / 1x mPCIe (Celeron®) 1x SIM card holder
Power Input	DC 12V / 24V (optional)
Cooling	System Fan (for Core™ i) / Fanless (for Celeron®)

## Display

Display Type	
SPC-15xx:	15" 4:3 LED-backlight TFT LCD
SPC-17xx:	17" 5:4 LED-backlight TFT LCD
SPC-19xx:	19" 5:4 LED-backlight TFT LCD

Resolution	
1024 x 768 (SPC-15xx)	1280 x 1024 (SPC-17xx/19xx)

Brightness	
350 cd/m <sup>2</sup> (SPC-15xx/17xx)	250 cd/m <sup>2</sup> (SPC-19xx)

Contrast Ratio	
600:1 (SPC-15xx)	1000:1 (SPC-17xx/19xx)

Touch	
10-point PCT multi-touch sensor	

## Mechanical/Environmental

Construction	
Aluminum Front Bezel	

Temperature / Humidity	
Operating Temperature: 0°C ~ 50°C	
Storage Temperature: -20°C ~ 70°C	
Humidity: 0% ~ 95%, non-condensing	

Dimensions (W x H x D)	
SPC-15xx:	382 x 306 x 68 mm / 15.04" x 12.05" x 2.68"
SPC-17xx:	413 x 334 x 73 mm / 16.26" x 13.15" x 2.87"
SPC-19xx:	447 x 372 x 70 mm / 17.60" x 14.65" x 2.76"

Mounting	
VESA mount / Panel Mount	

Certifications	
CE, FCC Class A	

All specifications and photos are subject to change without notice

Advanced Embedded Fanless Box PCs

Performance Embedded Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat Panel PCs / Monitors



Multi-touch Bezel-free Flat Panel PCs / Monitors

## PPC-1500/1700/1900

**NEW  
PRODUCT**



Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors

### Features

- 15" / 17" / 19" LED-backlight 10-point PCT Multi-touch Bezel-free Flat Panel PC
- Intel® Celeron® J1900 Processor
- Support 1x DDR3L SO-DIMM up to 8GB
- Support 1x VGA & 1x HDMI
- Support 1x USB3.0, 2x USB2.0
- Support 1x COM (with RS-232/422/485)
- Support 2x LAN port
- Onboard 1x mini-PCIe slot, 1x SIM card holder
- IP65 approved front bezel
- Glass hardness of 6H

### System

CPU	Intel® Celeron® J1900 Processor
Chipset	N/A
Memory	1x DDR3L SO-DIMM up to 8GB
Storage	1x 2.5" SATA HDD / SSD 1x mSATA
I/O Panel	1x VGA 1x HDMI 1x USB3.0 2x USB2.0 2x GbE Line-out, Line-in & Mic-in 1x Push switch for power on/off 1x DC Jack
Expansion	1x Mini-PCIe 1x SIM card holder
Power Input	DC 12V / 24V (optional)
Cooling	Fanless

### Display

#### Display Type

PPC-1500: 15" 4:3 LED-backlight TFT LCD  
PPC-1700: 17" 5:4 LED-backlight TFT LCD  
PPC-1900: 19" 5:4 LED-backlight TFT LCD

#### Resolution

1024 x 768 (PPC-1500)    1280 x 1024 (PPC-1700/1900)

#### Brightness

350 cd/m<sup>2</sup> (PPC-1500/1700)    250 cd/m<sup>2</sup> (PPC-1900)

#### Contrast Ratio

600:1 (PPC-1500)    1000:1 (PPC-1700/1900)

#### Touch

10-point PCT multi-touch sensor

### Mechanical/Environmental

#### Construction

Aluminum Front Bezel

#### Temperature / Humidity

Operating Temperature: 0°C ~ 50°C  
Storage Temperature: -20°C ~ 70°C  
Humidity: 0% ~ 95%, non-condensing

#### Dimensions (W x H x D)

PPC-1500: 382 x 306 x 68 mm / 15.04" x 12.05" x 2.68"  
PPC-1700: 413 x 334 x 73 mm / 16.26" x 13.15" x 2.87"  
PPC-1900: 447 x 372 x 70 mm / 17.60" x 14.65" x 2.76"

#### Mounting

VESA mount / Panel Mount

#### Certifications

CE, FCC Class A

All specifications and photos are subject to change without notice

Multi-touch Bezel-free Flat Panel PCs / Monitors

# MPC-1500/1700/1900 Series



## Features

- 15" / 17" / 19" LED-backlight 10-point PCT Multi-touch Bezel-free Flat Panel PC
- OPS Compliant
- 4th Generation Intel® Core™ i3 / i5/ i7 / Celeron® J1900 Processors
- Support 2x DDR3L SO-DIMM up to 16/8GB
- Support 1x VGA, 1x DVI-D, 2x HDMI & 1x DP (for Core™ i)
- Support 4/1x USB3.0, 3x USB2.0 (for Celeron®)
- Support 2x LAN port
- Onboard 2/1x mini-PCIe slot, 1x SIM card holder
- IP65 approved front bezel
- Glass hardness of 6H
- Monitor mode supported

## System

CPU	MPC-1500/1700/1900: Intel® Core™ i7-4700HQ MPC-1510/1710/1910: Intel® Core™ i7-4700EQ MPC-1520/1720/1920: Intel® Core™ i5-4400E MPC-1530/1730/1930: Intel® Celeron® J1900
Chipset	Intel® QM87 Express Chipset (for Core™ i)
Memory	2x DDR3L 1333/1600 MT/S SO-DIMM up to 16 GB (for Core™ i) 2x DDR3L 1333 MT/S SO-DIMM up to 8GB (for Celeron®)
Storage	1x 2.5" Slim Type HDD Slot (Removable) 2x mSATA mixed w/ mPCIe (for Core™ i)
I/O Panel	1x VGA 1x DVI-D 2x HDMI 1x DP (for Core™ i) 4x USB3.0 (for Core™ i) / 1x USB3.0 (for Celeron®) 3x USB2.0 (for Celeron®) 2x GbE 1x Audio Jack for Line-out/Line-in/Mic-in 2x Audio Jack for Line-out and Mic-in 1x Clear CMOS 3x Antennas 1x HDD LED 1 x WiFi LED 1x Push button (w/ LED) for power on/off 1x DC Jack
Expansion	2x mPCIe (Core™ i) / 1x mPCIe (Celeron®) 1x SIM card holder
Power Input	DC 12V / 24V (optional)
Cooling	System Fan (for Core™ i) / Fanless (for Celeron®)

## Display

### Display Type

MPC-15xx: 15" 4:3 LED-backlight TFT LCD  
MPC-17xx: 17" 5:4 LED-backlight TFT LCD  
MPC-19xx: 19" 5:4 LED-backlight TFT LCD

### Resolution

1024 x 768 (MPC-15xx)    1280 x 1024 (MPC-17xx/19xx)

### Brightness

350 cd/m<sup>2</sup> (MPC-15xx/17xx)    250 cd/m<sup>2</sup> (MPC-19xx)

### Contrast Ratio

600:1 (MPC-15xx)    1000:1 (MPC-17xx/19xx)

### Touch

10-point PCT multi-touch sensor

## Mechanical/Environmental

### Construction

Aluminum Front Bezel

### Temperature / Humidity

Operating Temperature: 0°C ~ 50°C  
Storage Temperature: -20°C ~ 70°C  
Humidity: 0% ~ 95%, non-condensing

### Dimensions (W x H x D)

MPC-15xx: 382 x 306 x 68 mm / 15.04" x 12.05" x 2.68"  
MPC-17xx: 413 x 334 x 73 mm / 16.26" x 13.15" x 2.87"  
MPC-19xx: 447 x 372 x 70 mm / 17.60" x 14.65" x 2.76"

### Mounting

VESA mount / Panel Mount

### Certifications

CE, FCC Class A

All specifications and photos are subject to change without notice

Multi-touch Bezel-free Flat Panel PCs / Monitors

# QTM-1500/1700/1900/2150

**NEW  
PRODUCT**



Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors

## Features

- 15" / 17" / 19" / 21.5" LED-backlight 10-point PCT Multi-touch Bezel-free Flat Panel Monitor
- Support 1x VGA, 1x DVI-D, 1x HDMI
- IP65 approved front bezel
- Glass hardness of 6H

## System

I/O Panel	1x VGA 1x DVI-D 1x HDMI 2x Audio Jack for Line-out and Mic-in 1x DC Jack
Power Input	DC 12V / 24V (optional)
Cooling	Fanless

## Display

### Display Type

QTM-1500:	15" 4:3 LED-backlight TFT LCD
QTM-1700:	17" 5:4 LED-backlight TFT LCD
QTM-1900:	19" 5:4 LED-backlight TFT LCD
QTM-2150:	21.5" 16:9 LED-backlight TFT LCD

### Resolution

1024 x 768 (QTM-1500)
1280 x 1024 (QTM-1700/1900)
1920 x 1080 (QTM-2150)

### Brightness

350 cd/m <sup>2</sup> (QTM-1500/1700)
250 cd/m <sup>2</sup> (QTM-1900)
300 cd/m <sup>2</sup> (QTM-2150)

### Contrast Ratio

600:1 (MPC-1500)
1000:1 (MPC-1700/1900)
5000:1 (QTM-2150)

### Touch

10-point PCT multi-touch sensor
---------------------------------

## Mechanical/Environmental

### Construction

Aluminum Front Bezel
----------------------

### Temperature / Humidity

Operating Temperature: 0°C ~ 50°C
Storage Temperature: -20°C ~ 70°C
Humidity: 0% ~ 95%, non-condensing

### Dimensions (W x H x D)

QTM-1500:	382 x 306 x 68 mm / 15.04" x 12.05" x 2.68"
QTM-1700:	413 x 334 x 73 mm / 16.26" x 13.15" x 2.87"
QTM-1900:	447 x 372 x 70 mm / 17.60" x 14.65" x 2.76"
QTM-2150:	543 x 339 x 65 mm / 21.38" x 13.35" x 2.56"

### Mounting

VESA mount / Panel Mount
--------------------------

### Certifications

CE, FCC Class A
-----------------



# Memo

Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors



# Memo



Advanced Embedded  
Fanless Box PCs

Performance Embedded  
Fanless Box PCs

Multi-media Panel PCs

Industrial Panel PCs

Multi-touch Bezel-free Flat  
Panel PCs / Monitors







**Quanmax Inc.**

5F, No.415, Ti-Ding Blvd. Sec. 2, Neihu District,  
Taipei, Taiwan 114

T +886-2-2799-2789 F +886-2-2799-7399

E sales@quanmax.com www.quanmax.com

*Headquarter*

