

OPS-2002

Open Pluggable Specification (OPS) Compliant
Digital Signage Player
with Intel® Skylake U-Series Processor



- Intel® Skylake U-Series Processor, Core™ i5-6200U
- 2 x DDR4 SO-DIMM
- 1x HDMI2.0, 2 x DP (1x on front) for video output
- 2x GbE LAN on front for Ethernet
- 6x USB3.0 (4x on front), 2x USB2.0 for peripheral connection
- 1x slim type 2.5" SATA HDD / SSD slot on front for storage
- 1x M.2, 1x mPCIe for storage, wireless & function expansion
- Wide voltage range power input: 12V ~ 19V



Product Overview

OPS-2002 is an OPS-Compliant media player for digital signage application. This embedded hardware platform boasts the 6th Generation Intel® Skylake-ULT Core™ i processor integrated with Intel® HD Graphics 520 GPU and therefore it is stunning by greatly enhanced graphics performance and energy efficiency to respond to the requirements for the state-of-the-art applications.

Another distinguishing feature is that OPS-2002 is equipped with the latest-version HDMI 2.0 port (by JAE) with 4K resolution, higher data rate, wider bandwidth, ultra-wide display support and can satisfy increasing requirements for high definition and large screen size.

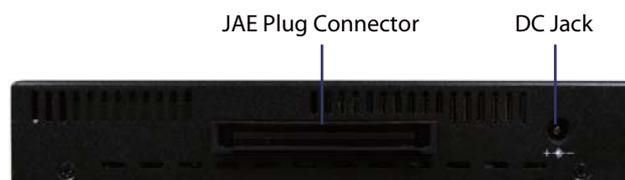
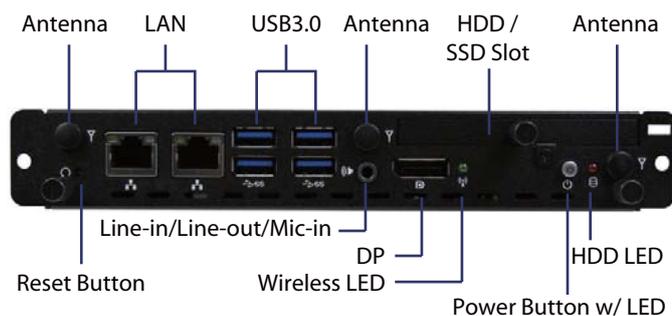
Technical Information

CPU Support	Intel® Core™ i5-6200U (Dual Core, 3M Cache, up to 2.80 GHz, FCBGA1356, 15W TDP)
Memory	2x DDR4 2133 SO-DIMM up to 16GB
Graphic Controller	Intel® HD Graphics 520
Display Interfaces	1x HDMI2.0 (by JAE, 3840 x 2160 @ 60Hz) 2x DP (1x on front, 1x by JAE, 4096 x 2304 @ 60Hz)
Multiple Display	Dual Display (only one output support b/w on-front DP and by-JAE DP, default setting: by-JAE HDMI2.0 + on-front DP)
Audio Chipset	Realtek ALC662
Audio Interfaces	1x Line-in/Line-out/Mic-in (on front) 1x Line-out (by JAE)
Ethernet	2x GbE LAN (RJ-45 on front, 1x Intel® I219, 1x Intel® I210)
USB	6x USB3.0 (4x Type A on front, 2x by JAE) 2x USB2.0 (by JAE)
Other I/Os	1x UART (by JAE)
Storage & Expansion	1x 2.5" SATA HDD / SSD (Slim type slot on front) 1x M.2 Key A (default for optional Wi-Fi+BT module) 1x mPCIe (full size, default for optional 4G/3G module) 1x Micro SIM card holder (onboard)

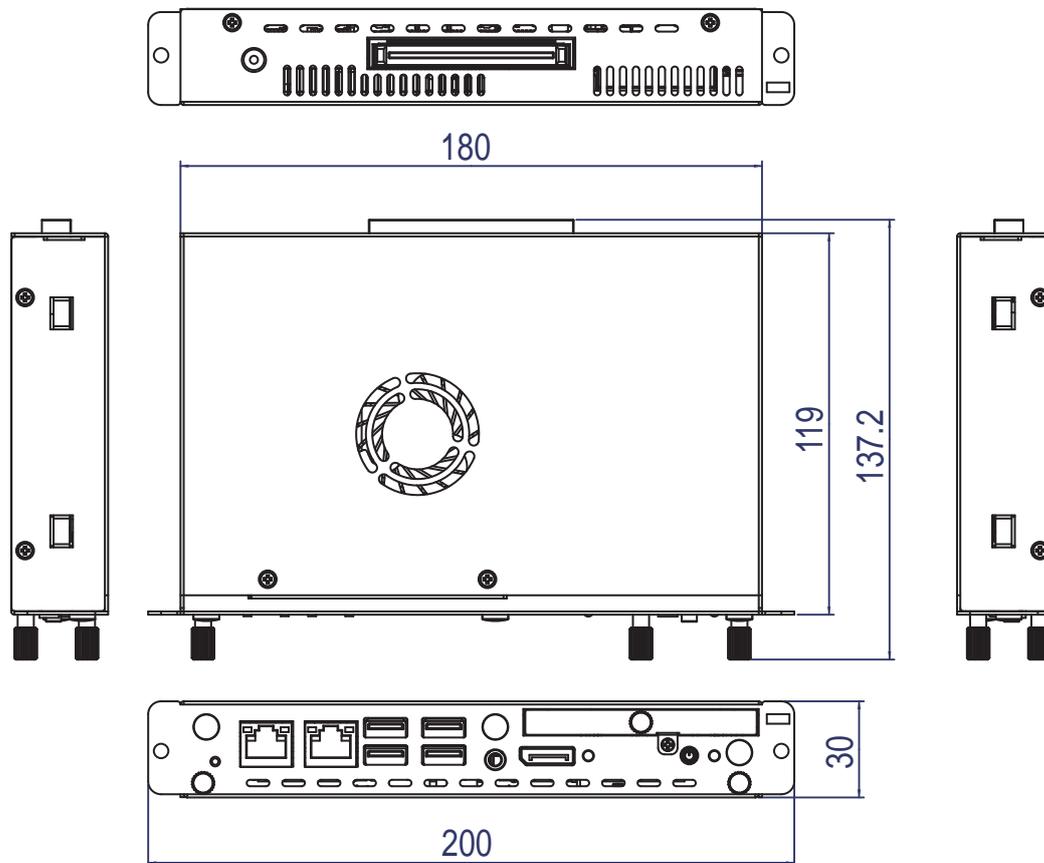
* HDMI2.0 function is not applicable to the following monitors: LG 27MU67-B, LG 27UD68, AOC U2879VF, LG 65UF850T, QD980, Dell S2817Q & ASUS MX27UQ.

Power Supply	Connector: JAE Plug Connector (on rear) DC Jack (on rear, optional adapter required) Input Voltage: DC 12V ~ 19V
Firmware	BIOS: AMI uEFI BIOS w/ 128Mb SPI Flash Watchdog: Programmable WDT to generate system reset event H/W Monitor: Voltages, Temperatures Real Time Clock: Processor integrated RTC
System Control & Monitoring	1x Power Button w/ LED (on front) 1x Reset Button (on front) 1x Storage LED (on front) 1x Wireless LED (on front)
Cooling	1x CPU Smart Fan 1x System Smart Fan (by JAE)
OS Support	Windows 7, Windows 8, Windows 10, Linux
Construction	Metal Chassis
Dimensions (W x D x H)	200 x 119 x 30 mm / 7.87" x 4.69" x 1.18"
Weight	1000 g / 2.20 lb
Environmental Characteristics	Operation Temp.: 0°C ~ 45°C / 32°F ~ 113°F Storage Temp.: -20°C ~ 80°C / -4°F ~ 176°F Humidity: 0% ~ 90%
Mounting	OPS-slot Mount
Certification	CE, FCC Class A

OPS-2002 I/Os



• Mechanical Dimensions



• Ordering Information

Article	Part No.	Description
OPS-2002	SOPS200200010T00	Intel® Core™ i5-6200U, 2x DDR4 SO-DIMM, Intel® HD Graphics 520, 1x HDMI2.0, 1x DP, 2x LAN, 6x USB3.0, 2x USB2.0, 1x M.2, 1x mPCIe