



# OPS-2002

Open Pluggable Specification (OPS) Compliant  
Digital Signage Player  
with 6th Generation Intel® Skylake-ULT Processor



- 6th Generation Intel® Skylake-ULT Processor, Core™ i5-6200U
- Intel® HD Graphics 520 integrated
- 2 x DDR4 SO-DIMM up to 16GB
- 1x HDMI2.0, 2 x DP (1x on front) for video output
- 6x USB3.0 (4x on front), 2x USB2.0 for peripheral connection
- 2x LAN on front for wired network connection
- 1x M.2, 1x mPCIe, 1x microSIM for storage, wireless & function expansion
- 1x slim type 2.5" SATA HDD / SSD slot on front for storage
- 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.

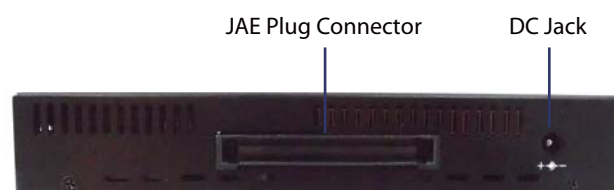
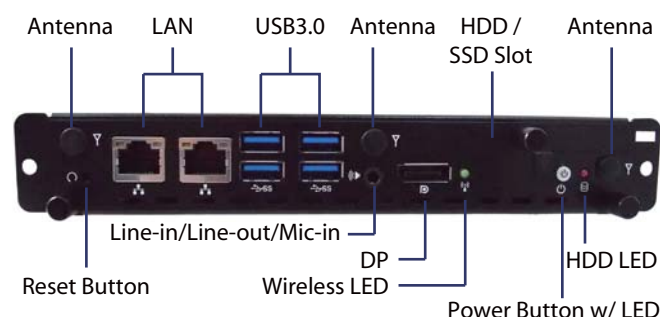
## Technical Information

<b>CPU Support</b>
Intel® Core™ i5-6200U (Dual Core, 3M Cache, up to 2.80 GHz, FCBGA1356, 15W TDP)
<b>Memory</b>
2x DDR4 2133 SO-DIMM up to 16GB
<b>Graphic Controller</b>
Intel® HD Graphics 520
<b>Display Interfaces</b>
1x HDMI2.0 (by JAE, 3840 x 2160 @ 60Hz) 2x DP (1x on front, 1x by JAE, 4096 x 2304 @ 60Hz)
<b>Multiple Display</b>
Dual Display (only one output support b/w on-front DP and by-JAE DP, default setting: by-JAE HDMI2.0 + by-JAE DP)
<b>Audio Chipset</b>
Realtek ALC662
<b>Audio Interfaces</b>
1x Line-in/Line-out/Mic-in (on front) 1x Line-out (by JAE)
<b>Ethernet</b>
2x LAN (RJ-45 on front, 1x Intel® I219, 1x Intel® I210)
<b>USB</b>
6x USB3.0 (4x Type A on front, 2x by JAE) 2x USB2.0 (by JAE)
<b>Other I/Os</b>
1x UART (by JAE)
<b>Storage &amp; Expansion</b>
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 (default for optional 4G/3G module) 1x Micro SIM card holder (onboard)
<b>Power Supply</b>
Connector: DC Jack (on rear) Input Voltage: DC 12V ~ 19V

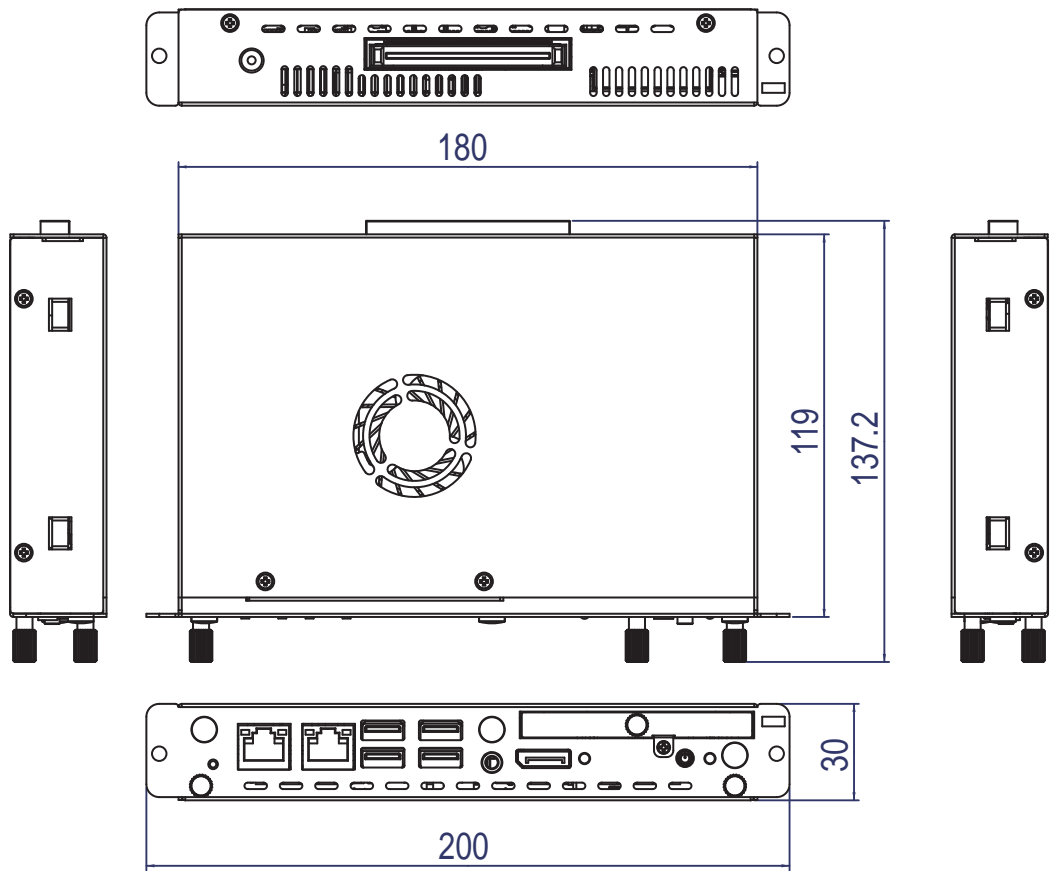
<b>Firmware</b>
BIOS: AMI uEFI BIOS w/ 128Mb SPI Flash Watchdog: Programmable WDT to generate system reset event H/W Monitor: Voltages, Temperatures Real Time Clock: Processor integrated RTC TPM: Optional
<b>System Control &amp; Monitoring</b>
1x Power Button w/ LED (on front) 1x Reset Button (on front) 1x Storage LED (on front) 1x Wireless LED (on front)
<b>Cooling</b>
1x CPU Smart Fan 1x System Smart Fan (by JAE)
<b>OS Support</b>
Windows, Linux
<b>Construction</b>
Metal Chassis
<b>Dimensions (W x D x H)</b>
200 x 119 x 30 mm / 7.87" x 4.69" x 1.18"
<b>Weight</b>
1000 g / 2.20 lb
<b>Environmental Characteristics</b>
Operation Temp.: 0°C ~ 45°C / 32°F ~ 113°F Storage Temp.: -20°C ~ 80°C / -4°F ~ 176°F Humidity: 0% ~ 90%
<b>Mounting</b>
Insertion
<b>Certification</b>
CE, FCC Class A

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

## 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, 1x MicroSIM