

# OPS-100 Series

Open Pluggable Specification (OPS) compliant  
Digital Signage Player  
with Intel® Bay Trail Processors



- Intel® Bay Trail Processors
- 2x DDR3L SO-DIMM
- 1x HDMI (on front), 1x HDMI / DVI, 1x DP for video output
- 2x GbE LAN on front for Ethernet
- 2x USB3.0 (1x on front), 5x USB2.0 (3x on front) for peripherals
- 1x slim type 2.5" SATA HDD / SSD slot, 1x mSATA for storage
- 1x mPCIe for expansion



## Product Overview

OPS-100 series is a fanless OPS (Open Pluggable Specification) compliant media player which can help integrators fast and easily deploy, maintain and upgrade digital signage system through the standardized mechanical design and plug connector.

This embedded hardware platform features Intel® Bay

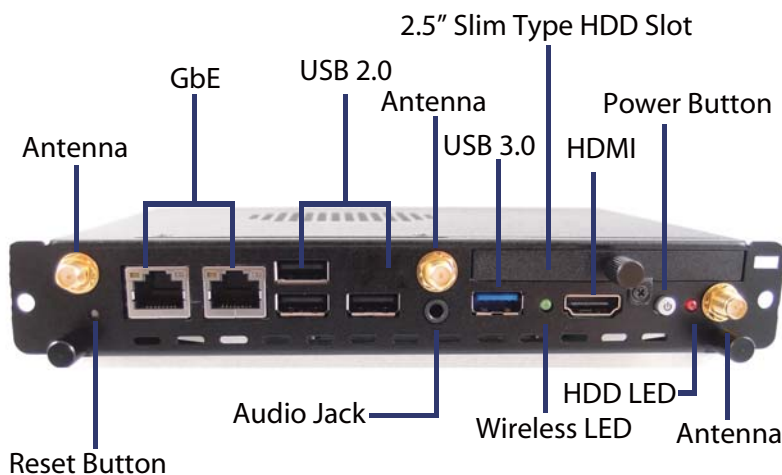
Trail Processors and 2x DDR3L SO-DIMM. It is suitable for cost-effective solution finders. In addition, it comes with 1x HDMI, 1x HDMI / DVI (by JAE), 1x DP (by JAE), 5x USB2.0 (2x by JAE), 2x USB3.0 (1x by JAE), 2x GbE and HD Audio for peripheral devices.

## Technical Information

<b>CPU Support</b>
<b>OPS-110:</b> Intel® Celeron® J1900 (Quad Core, 2M Cache, up to 2.42 GHz, FCBGA1170, 10W TDP)
<b>OPS-120:</b> Intel® Celeron® N2930 (Quad Core, 2M Cache, up to 2.16 GHz, FCBGA1170, 7.5W TDP)
<b>Memory</b>
2x DDR3L 1333 SO-DIMM up to 8GB
<b>Graphic Controller</b>
Intel® HD Graphics
<b>Display Interfaces</b>
2x HDMI (1x on front, 1x by JAE, 1920x1080 @ 60Hz)
1x DVI (by JAE, 1920 x 1080 @ 60Hz)
1x DP (by JAE, 2560 x 1600 @ 60Hz)
<b>Multiple Display</b>
Dual (only one output support b/w by-JAE DVI and by-JAE HDMI)
<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 GbE LAN (RJ-45 on front, 1x Intel® I210-AT, 1x Realtek RTL8111G)
<b>USB</b>
2x USB3.0 (1x Type A on front, 1x by JAE)
5x USB2.0 (3x Type A on front, 2x by JAE)
<b>Serial Ports</b>
1x UART (by JAE)
<b>Storage &amp; Expansion</b>
1x 2.5" SATA HDD / SSD (Slim type slot on front)
1x mSATA (full size)
1x mPCIe (full size)
1x SIM card holder

<b>Power Supply</b>
Connector: JAE Plug Connector (on rear)
DC Jack (on rear, optional adapter required)
Input Voltage: DC 12V / 19V
<b>Firmware</b>
BIOS: AMI uEFI BIOS w/ 64Mb SPI Flash
Watchdog: Programmable WDT to generate system reset event
H/W Monitor: Voltages, Temperatures
Real Time Clock: SoC integrated RTC
TPM: Optional for OPS-110 (Infineon SLB9635 TPM 1.2)
<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 System Smart Fan (by JAE)
<b>OS Support</b>
Windows 7, Windows 8, 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>
OPS-slot Mount
<b>Certification</b>
CE, FCC Class A

## OPS-100 series I/Os



## Ordering Information

Article	Part No.	Description
OPS-110	SOPS011000010T00	Intel® Celeron® J1900, 2x DDR3L SO-DIMM, 2x HDMI (1x by JAE), 1x DVI (by JAE), 1x DP (by JAE), 2x LAN, 2x USB3.0 (1x by JAE), 5x USB2.0 (2x by JAE), 1x 2.5" SATA HDD / SSD Slot, 1x mSATA, 1x mPCIe
OPS-120	SOPS012000010T00	Intel® Celeron® N2930, 2x DDR3L SO-DIMM, 2x HDMI (1x by JAE), 1x DVI (by JAE), 1x DP (by JAE), 2x LAN, 2x USB3.0 (1x by JAE), 5x USB2.0 (2x by JAE), 1x 2.5" SATA HDD / SSD Slot, 1x mSATA, 1x mPCIe