

OPS-100 Series

Open Pluggable Specification (OPS) compliance for Digital Signage with Intel® BayTrail Processors



- Intel® BayTrail Processors
- Support 2 x DDR3L 1333 MT/S SO-DIMM up to 8 GB
- Support 1 x HDMI, 2 x GbE, 2 x USB3.0, 5 x USB2.0, 1 x 2.5" Slim Type HDD/SSD
- Support 1x Mini-PCIe slot
- Support 1x mSATA slot
- Support Dual storage
- Support Fanless



Product Overview

The OPS-100 series is a fanless OPS-Compliant media player for digital signage application. This embedded hardware platform features Intel® BayTrail Processors and 2x DDR3L 1333 SO-DIMM up to 8GB. It comes with 1x HDMI, 5x USB 2.0, 2x USB 3.0, 2x GbE and HD Audio.

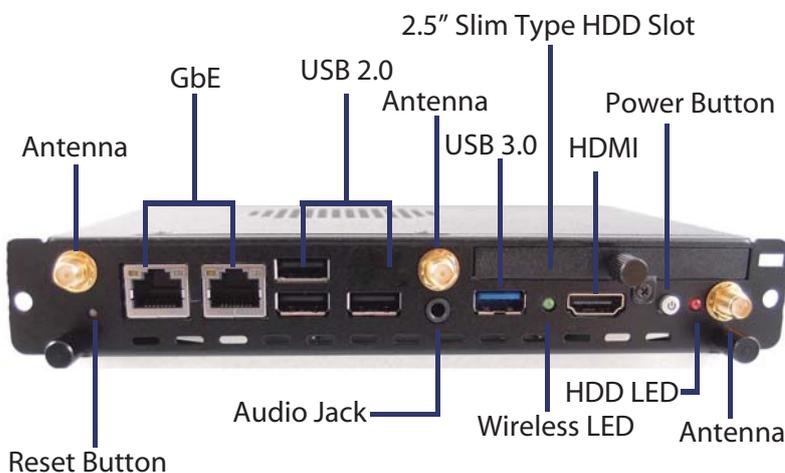
The OPS-100 series provides high reliability for harsh environments, compact size, and high performance. It is highly suited to a wide range of industrial applications, especially for Digital Signage.

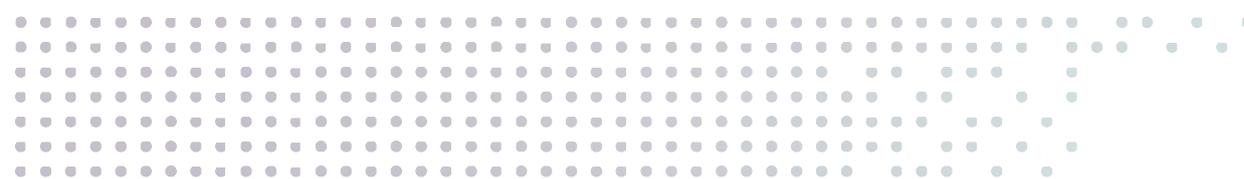
Technical Information

CPU Support
OPS-110: Intel® Celeron® J1900 (Quad Core, 2M Cache, up to 2.42 GHz, FCBGA1170, 10W TDP)
OPS-120: Intel® Celeron® N2930 (Quad Core, 2M Cache, up to 2.16 GHz, FCBGA1170, 7.5W TDP)
Memory
2x DDR3L 1333 SO-DIMM up to 8GB
Graphic Controller
Intel® HD Graphics
Display Interfaces
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)
Multiple Display
Dual (only one output support b/w by-JAE DVI and by-JAE HDMI)
Audio Chipset
Realtek ALC662
Audio Interfaces
1x Line-in/Line-out/Mic-in (on front)
1x Line-out (by JAE)
Ethernet
2x LAN (RJ-45 on front, 1x Intel® I210-AT, 1x Realtek RTL8111G)
USB
2x USB3.0 (1x Type A on front, 1x by JAE)
5x USB2.0 (3x Type A on front, 2x by JAE)
Other I/Os
1x UART (by JAE)
Storage & Expansion
1x 2.5" SATA HDD / SSD (Slim type slot on front)
1x mSATA
1x mPCIe slot
1x SIM card holder

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/ 64Mb SPI Flash
Watchdog: Programmable WDT to generate system reset event
H/W Monitor: Voltages, Temperatures
Real Time Clock: SoC integrated RTC
TPM: Optional (Infineon SLB9635 TPM 1.2)
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 System Smart Fan (by JAE)
OS Support
Windows 7, Windows 8, 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
Insertion
Certification
CE, FCC Class A

OPS-100 series I/Os





Ordering Information

Article	Description
OPS-110	Open Pluggable Specification compliance for Fanless Digital Signage, Intel® Celeron® BayTrail Quad Core J1900 Processor, 2x DDR3L up to 8GB, 2 x GbE LANs, 1x mini-PCIe, 2x HDMI, 5x USB 2.0, and 2x USB 3.0
OPS-120	Open Pluggable Specification compliance for Fanless Digital Signage, Intel® Celeron BayTrail Quad Core N2930 Processor, 2x DDR3L up to 8GB, 2 x GbE LANs, 1x mini-PCIe, 2x HDMI, 5x USB 2.0, and 2x USB 3.0