



**Intel® Xeon® Processor E3-1515M v5
Digital Signage Computer**

OPS100-SH

**CM236
HM170**



Features

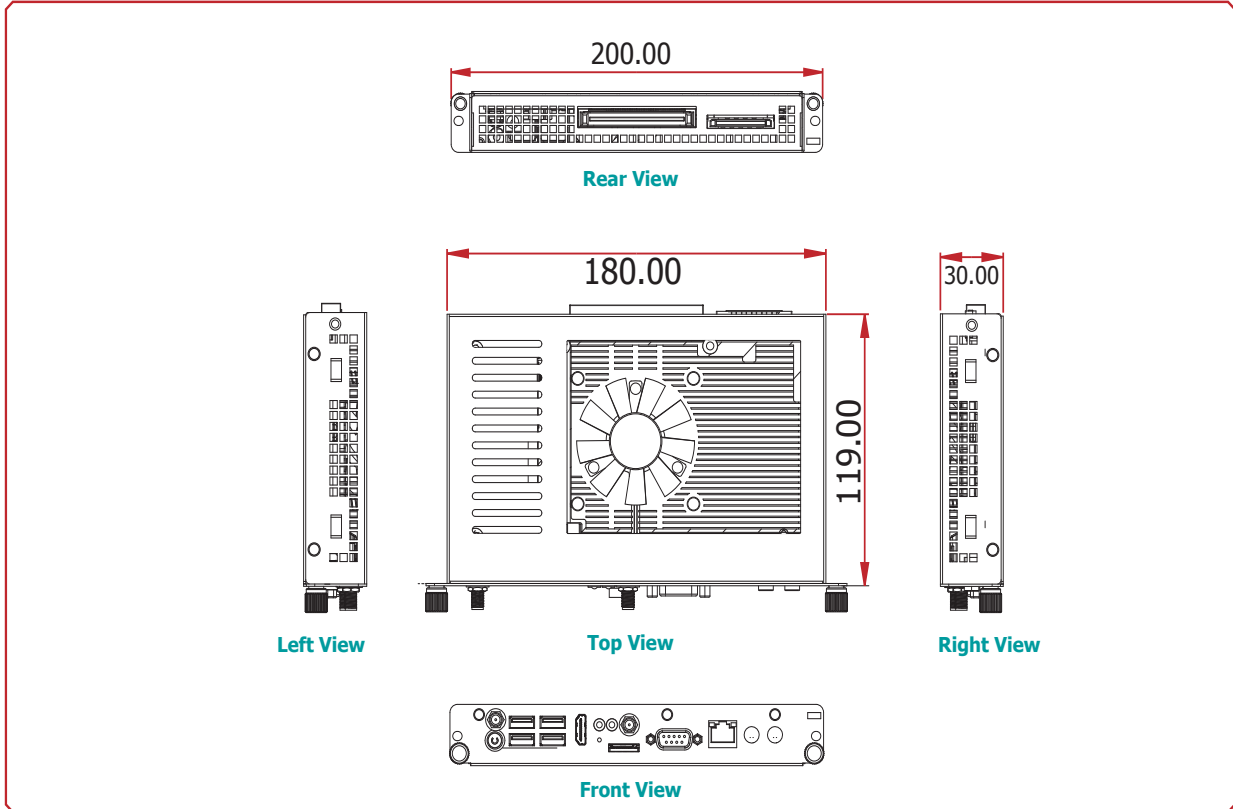
- Intel® Open Pluggable Specification (OPS+ compliance)
- DDR4-2400/2133 SO-DIMM max. up to 32 GB
- Dual M.2 expansion sockets
- Supports 3* 4K @ 60Hz resolution
- Easy installation and maintenance
- Supports HDMI-in
- PCIe x4 signal to Docking Board Expansion



Panel



Dimensions





Specifications

SYSTEM	Processor	Intel® Xeon® Processor E3-1515M v5, Quad Core, 8M Cache, 2.8GHz (3.7GHz) Intel® Core™ i5-6440EQ Processor, Quad Core, 6M Cache, 2.7GHz (3.4GHz) Intel® Core™ i3-6100E Processor, Dual Core, 3M Cache, 2.7GHz
	Chipset	Intel® CM236 Chipset (Xeon) Intel® HM170 Chipset (Core-i)
	Memory	Two 260-pin SODIMM up to 32GB Dual Channel DDR4 2400/2133MHz
	BIOS	Insyde SPI 16Mbit
GRAPHICS	Controller	Intel® HD Gen 9 Graphics
	Feature	OpenGL 5.0, DirectX 12, OpenCL 2.1 HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9 HW Encode: MPEG2, AVC/H264, JPEG, HEVC/H265, VP8, VP9
	Display	1 x HDMI-in HDMI: resolution up to 3840x2160 @ 60Hz 1 x HDMI 2.0 Output + 2 x DP 1.2 Output DP: resolution up to 4096x2160 @ 60Hz (via JAE & 2nd Connector interface)
	Triple Displays	HDMI + 2 DP
EXPANSION	Interface	1 x M.2 (2280 M Key) (PCIe x4/SATA) 1 x M.2 (2230 E Key) (PCIe/USB) 1 x micro SD Card Slot
ETHERNET	Controller	1 x Intel® I219LM PCIe with iAMT11.6 (10/100/1000Mbps)
LED	Indicators	1 x Power LED 1 x HDD LED
FRONT I/O	Ethernet	1 x GbE (RJ-45)
	Serial	1 x RS-232 (DB-9)
	USB	4 x USB 3.0 (type A)
	Display	1 x HDMI-in
	Audio	1 x Line-out 1 x Mic-in
	Buttons	1 x Power Button 1 x Reset Button
	Wi-Fi Antenna	2 x Wi-Fi Module Antenna Hole
REAR I/O	OPS Interface	JAE TX25A: 2nd Connector: 1 x HDMI 2.0 1 x DP 1.2 1 x DP 1.2 2 x USB 3.0 2 x USB 2.0 PCIe x4 signal 1 x USB 3.0 1 x 12~19V DC-in
COOLING	Fan	Active Cooling
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds
SECURITY	TPM	TPM 2.0
POWER	Type	Wide Range 12~19V
	Connector	DC-in Connector Available Upon Request
OS SUPPORT		Windows 10 Enterprise (64-bit) Windows 8.1
MECHANISM	Construction	Aluminum + SGCC
	Dimensions	180mm x 30mm x 119mm (W x H x D)
	Weight	TBD
ENVIRONMENT	Operating Temperature	0 to 45°C
	Storage Temperature	-40 to 85°C
	Relative Humidity	10 to 90% RH (non-condensing)



OPS100-SH

► **Ordering Information**

Model Name	Part Number	Description
OPS100-SH	750-OPS100-001G	OPS+ Computer, Intel Xeon E3-1515M v5, Intel CM236, DDR4 8GB, SSD 256GB, docking board, RoHS
OPS100-SH	750-OPS100-002G	OPS+ Computer, Intel i3-6100E, Intel HM170, DDR4 4GB, SSD 64GB, Windows 10 IoT, docking board, RoHS
OPS100-SH	TBD	OPS+ Computer, Intel i5-6440EQ, Intel HM170, RoHS
OPS100-SH	TBD	OPS+ Computer, Intel i3-6100E, Intel HM170, RoHS

► **Optional Items**

Optional Items	Part Number	Description
Memory	TBD	SODIMM, DDR4 Module, 8GB, RoHS
	TBD	SODIMM, DDR4 Module, 4GB, RoHS
SSD	635-600642-500G	M.2 2280 SATAIII, 64GB MLC
	635-601282-1K0G	M.2 2280 SATAIII, 128GB MLC
	635-602566-100G	M.2 2280 PCIe x4, 256GB MLC, Intel 600p SSDPEKKW256G7
Wi-Fi + BT	TBD	M.2 2230 802.11a/b/g/n/ac + Bluetooth 4.1, Intel AC8260, 2 cables, 2 antennas
Capture Card	TBD	4K@60 HDMI Capture Card PCIe x4, Yuan SC560N14K
Power Adapter	671-712001-000G	120W, 12V, Level 6, RoHS
Docking Board	774-ACD411-181G	Docking board, JAE TX24A+2nd High Speed Conn./DC-in Jack/2DP/HDMI/USB/COM

► **Packing List**

• 1 OPS100-SH system unit
• 1 Quick Installation Guide
• 1 CD disk includes:
- Drivers / Manual

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Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660