



# OPS100-SH

CM236  
HM170

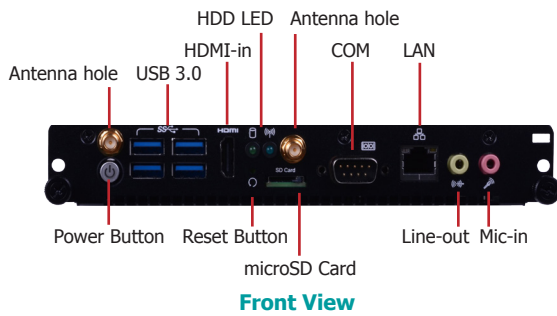


## ► Features

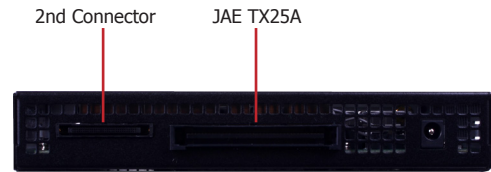
- Intel® Open Pluggable Specification (OPS+ compliance)
- DDR4-2400/2133 SO-DIMM max. up to 32 GB
- Dual M.2 expansion sockets
- Supports 3\* 4K @ 60Hz resolution
- Easy installation and maintenance
- Supports HDMI-in
- PCIe x4 signal to Docking Board Expansion



## ► Panel

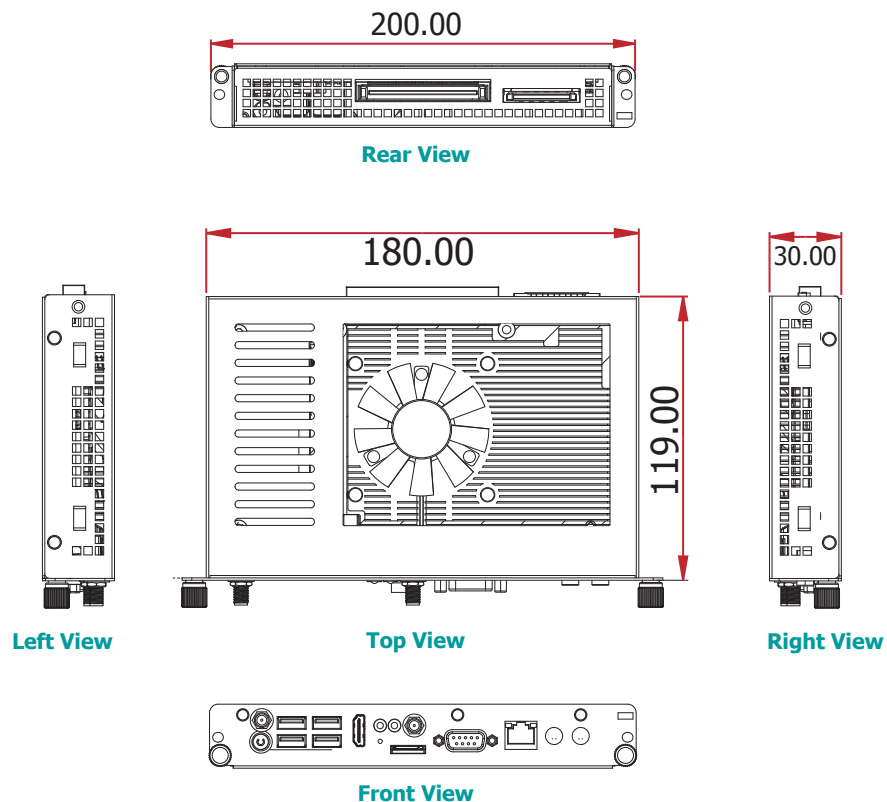


Front View



Rear View

## ► Dimensions



## ► Specifications

<b>SYSTEM</b>	<b>Processor</b>	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	
	<b>Chipset</b>	Intel® CM236 Chipset (Xeon)	Intel® HM170 Chipset (Core-i)
	<b>Memory</b>	Two 260-pin SODIMM up to 32GB Dual Channel DDR4 2400/2133MHz	
	<b>BIOS</b>	Insyde SPI 16Mbit	
<b>GRAPHICS</b>	<b>Controller</b>	Intel® HD Gen 9 Graphics	
	<b>Feature</b>	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	
	<b>Display</b>	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)	
	<b>Triple Displays</b>	HDMI + 2 DP	
<b>EXPANSION</b>	<b>Interface</b>	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	
<b>ETHERNET</b>	<b>Controller</b>	1 x Intel® I219LM PCIe with iAMT11.6 (10/100/1000Mbps)	
<b>LED</b>	<b>Indicators</b>	1 x Power LED 1 x HDD LED	
<b>FRONT I/O</b>	<b>Ethernet</b>	1 x GbE (RJ-45)	
	<b>Serial</b>	1 x RS-232 (DB-9)	
	<b>USB</b>	4 x USB 3.0 (type A)	
	<b>Display</b>	1 x HDMI-in	
	<b>Audio</b>	1 x Line-out 1 x Mic-in	
	<b>Buttons</b>	1 x Power Button 1 x Reset Button	
	<b>Wi-Fi Antenna</b>	2 x Wi-Fi Module Antenna Hole	
<b>REAR I/O</b>	<b>OPS Interface</b>	JAE TX25A: 1 x HDMI 2.0 1 x DP 1.2 2 x USB 2.0 1 x USB 3.0 1 x 12~19V DC-in	2nd Connector: 1 x DP 1.2 2 x USB 3.0 PCIe x4 signal
<b>COOLING</b>	<b>Fan</b>	Active Cooling	
<b>WATCHDOG TIMER</b>	<b>Output &amp; Interval</b>	System Reset, Programmable via Software from 1 to 255 Seconds	
<b>SECURITY</b>	<b>TPM</b>	TPM 2.0	
<b>POWER</b>	<b>Type</b>	Wide Range 12~19V	
	<b>Connector</b>	DC-in Connector Available Upon Request	
<b>OS SUPPORT</b>		Windows 10 Enterprise (64-bit) Windows 8.1	
<b>MECHANISM</b>	<b>Construction</b>	Aluminum + SGCC	
	<b>Dimensions</b>	180mm x 30mm x 119mm (W x H x D)	
	<b>Weight</b>	TBD	
<b>ENVIRONMENT</b>	<b>Operating Temperature</b>	0 to 45°C	
	<b>Storage Temperature</b>	-40 to 85°C	
	<b>Relative Humidity</b>	10 to 90% RH (non-condensing)	



### ► Ordering Information

Model Name	Part Number	Description
OPS100-SH	750-OPS100-000G	OPS+ Computer, Intel Xeon E3-1515M v5, Intel CM236, DDR4 8GB, SSD 64GB, 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
<b>Memory</b>	TBD	SODIMM, DDR4 Module, 8GB, RoHS
	TBD	SODIMM, DDR4 Module, 4GB, RoHS
<b>SSD</b>	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
<b>Wi-Fi + BT</b>	TBD	M.2 2230 802.11a/b/g/n/ac + Bluetooth 4.1, Intel AC8260, 2 cables, 2 antennas
<b>Capture Card</b>	TBD	4K@60 HDMI Capture Card PCIe x4, Yuan SC560N14K
<b>Power Adapter</b>	671-712001-000G	120W, 12V, Level 6, RoHS
<b>Docking Board</b>	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