

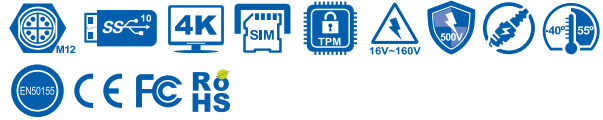
# RMS-1100

8th Generation Intel® Core™ i7/i5/i3 U-series Processor (Whiskey Lake) 1U Rackmount Fanless System, 8 GigE LAN with 6 X-coded M12, 4 10G USB, 2 Front-access SSD Tray, DC 16V to 160V, -40°C to 55°C Extended Temperature



## Features

- 8th Generation Intel® Core™ i7/i5/i3 U-Series Processor (Whiskey Lake)
- DDR4 2400MHz memory, up to 32GB
- Fanless design supports up to -40°C to 55°C extended operating temperature
- 8-port 10/100/1000Base-T GigE LAN with 6 X-coded M12 connections, iAMT 12.0 supported
- 4 10G USB 3.1 Gen 2, 2 COM RS-232/422/485
- Max 16V to 160V DC Power Input with 4kV DC Isolation, up to 500V Surge Protection
- 2 Front-access 2.5" SSD/HDD Tray
- SIM Socket for WiFi/4G/3G/LTE/GPRS/UMTS
- Expansion : SATA III, mSATA and Mini PCIe
- Ignition Power Control



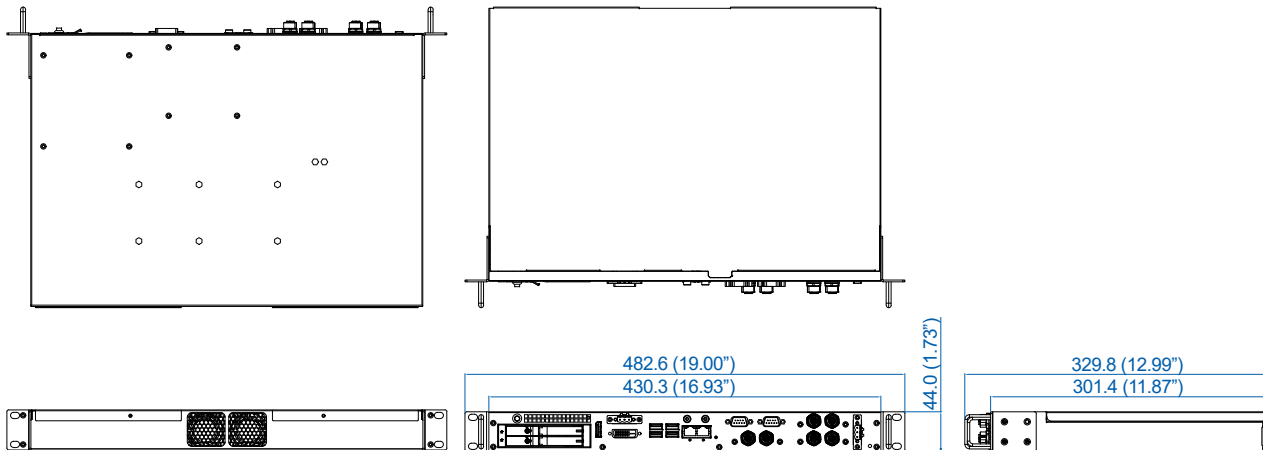
## Specifications

System	
<b>Processor</b>	Quad core Intel® Core™ i7-8665UE Processor (Whiskey Lake)
<b>Chipset</b>	Intel® SoC (Cannon Lake)
<b>BIOS</b>	AMI
<b>SIO</b>	IT8786E
<b>Memory</b>	1 DDR4 2400MHz SO-DIMM, up to 32GB
I/O Interface	
<b>Serial</b>	2 COM RS-232/422/485 (ESD 8kV)
<b>USB</b>	4 USB 3.1 Gen 2
<b>Isolated DIO</b>	8 GigE LAN : ▪ 2 10/100/1000 Base-T RJ-45 ▪ 6 10/100/1000 Base-T X-coded M12
<b>LED</b>	Power, HDD
Expansion	
<b>Mini PCIe</b>	2 Mini PCIe Socket, by request : ▪ 1 Full-Size for PCIe/USB/Internal SIM Card ▪ 1 Full-Size for PCIe/USB/Optional mSATA (Optional)
Graphics	
<b>Graphics Processor</b>	Intel® UHD Graphics 620
<b>Interface</b>	Dual display : ▪ DVI-D : Up to 1920 x 1200 @60Hz ▪ DisplayPort : Up to 4096 x 2304 @60Hz
Storage	
<b>SATA</b>	2 Front-access 2.5" SSD/HDD Tray
<b>mSATA</b>	1 SATA III (Mini PCIe Type, 6Gbps)
Audio	
<b>Audio Codec</b>	Realtek ALC888S-VD, 7.1 Channel HD Audio
<b>Audio Interface</b>	1 Mic-in, 1 Line-out
Ethernet	
<b>LAN 1</b>	Intel® 1219LM GigE LAN supports iAMT 12.0, RJ45 Type
<b>LAN 2</b>	Intel® I210 GigE LAN, RJ45 Type
<b>LAN 3 to LAN 8</b>	Intel® I210 GigE LAN, M12 X-coded Type

Power	
<b>Power Input</b>	16V to 160V, DC-in
<b>Power Interface</b>	3-pin Terminal Block V+, V-, Frame Ground
<b>Ignition Control</b>	16 Mode (Internal)
<b>Remote Switch</b>	3-pin Terminal Block On, Off, IGN
<b>Isolation</b>	4kV DC
<b>Surge Protection</b>	0.5kV DC 8/20us Surge
Others	
<b>TPM</b>	Optional Infineon SLB9665 supports TPM 2.0, LPC Interface
<b>Watchdog Timer</b>	Reset : 1 to 255 sec./min. per step
<b>Smart Management</b>	Wake on LAN, PXE supported
<b>HW Monitor</b>	Monitoring temperature, voltages. Auto throttling control when CPU overheats.
Software Support	
<b>OS</b>	Windows 10, Linux
Mechanical	
<b>Dimensions</b>	482.6mm x 301.4mm x 44.0mm (19.00" x 11.87" x 1.73")
<b>Weight</b>	4.0 kg (8.8 lb)
<b>Mounting</b>	Rackmount
Environment	
<b>Operating Temperature</b>	-40°C to 55°C (-40°F to 131°F)
<b>Storage Temperature</b>	-40°C to 85°C (-40°F to 185°F)
<b>Humidity</b>	5% to 95% Humidity, non-condensing
<b>Relative Humidity</b>	95% at 55°C
<b>Shock</b>	▪ IEC 60068-2-27, IEC 61373 ▪ SSD : 10G, Half-sine, 11ms
<b>Vibration</b>	▪ IEC 60068-2-64, IEC 61373 ▪ SSD : 1Grms, 5Hz to 500Hz, 3 Axis
<b>EMC</b>	CE, FCC, EN50155, EN50121-3-2

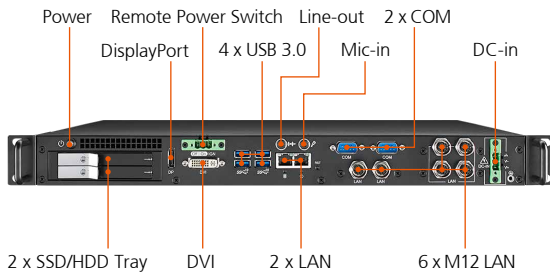
## Dimensions

Unit : mm/ inch



## Front I/O

## Rear I/O



## Order Information

<b>RMS-1100-8665UE</b>	RMS-1100, onboard Intel® Core™ i7-8665UE, 8 GigE LAN w/6 X-coded M12, 4 10G USB 3.1, 16V-160V DC-in
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## Accessories

<b>DDR4 32G</b>	Certified DDR4 32GB 2666MHz RAM
<b>DDR4 16G</b>	Certified DDR4 16GB 2666/2400/2133 MHz RAM
<b>DDR4 8G</b>	Certified DDR4 8GB 2666/2400/2133 MHz RAM
<b>DDR4 4G</b>	Certified DDR4 4GB 2666/2400/2133 MHz RAM
<b>PWA-120W</b>	120W, 24V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block
<b>PWA-160W-WT</b>	160W, 24V, 85V AC to 264V AC Power Adaptor with 3-pin Terminal Block, Wide Temperature -30°C to +70°C
<b>4G Module</b>	Mini PCIe 4G/GPS Module with Antenna
<b>WiFi &amp; Bluetooth</b>	WiFi & Bluetooth Module with Antenna