

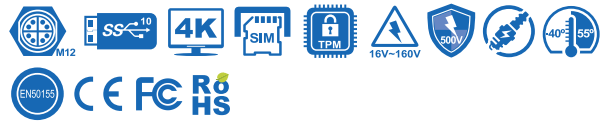
RMS-1100

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



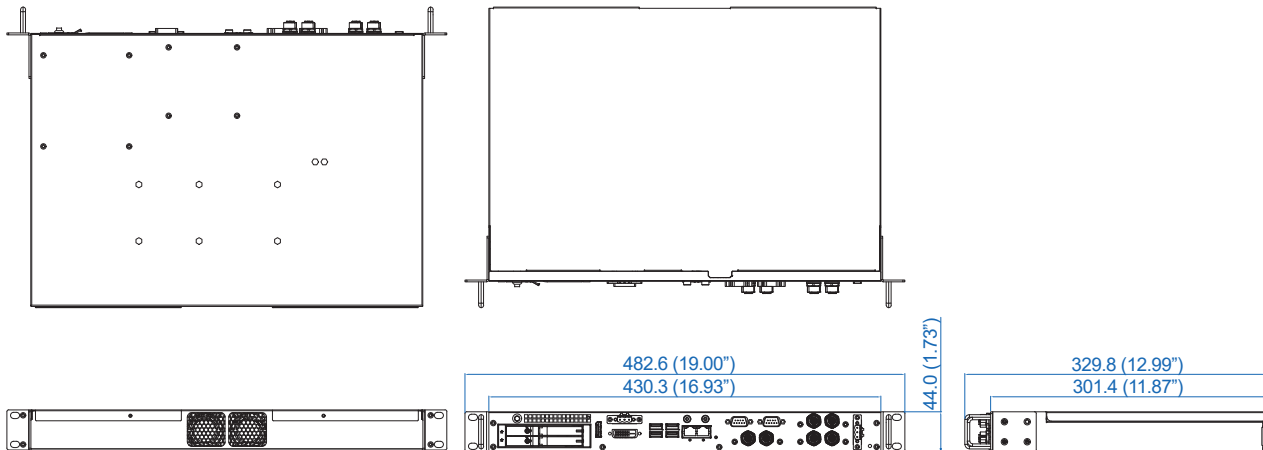
Specifications

| System | |
|--------------------|--|
| Processor | Quad core Intel® Core™ i7-8665UE Processor (Whiskey Lake) |
| Chipset | Intel® SoC (Cannon Lake) |
| BIOS | AMI |
| SIO | IT8786E |
| Memory | 1 DDR4 2400MHz SO-DIMM, up to 32GB |
| I/O Interface | |
| Serial | 2 COM RS-232/422/485 (ESD 8kV) |
| USB | 4 USB 3.1 Gen 2 |
| Isolated DIO | 8 GigE LAN : ▪ 2 10/100/1000 Base-T RJ-45 ▪ 6 10/100/1000 Base-T X-coded M12 |
| LED | Power, HDD |
| Expansion | |
| Mini PCIe | 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 | |
| Graphics Processor | Intel® UHD Graphics 620 |
| Interface | Dual display : ▪ DVI-D : Up to 1920 x 1200 @60Hz ▪ DisplayPort : Up to 4096 x 2304 @60Hz |
| Storage | |
| SATA | 2 Front-access 2.5" SSD/HDD Tray |
| mSATA | 1 SATA III (Mini PCIe Type, 6Gbps) |
| Audio | |
| Audio Codec | Realtek ALC892, 5.1 Channel HD Audio |
| Audio Interface | 1 Mic-in, 1 Line-out |
| Ethernet | |
| LAN 1 | Intel® 1219LM GigE LAN supports iAMT 12.0, RJ45 Type |
| LAN 2 | Intel® I210 GigE LAN, RJ45 Type |
| LAN 3 to LAN 8 | Intel® I210 GigE LAN, M12 X-coded Type |

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

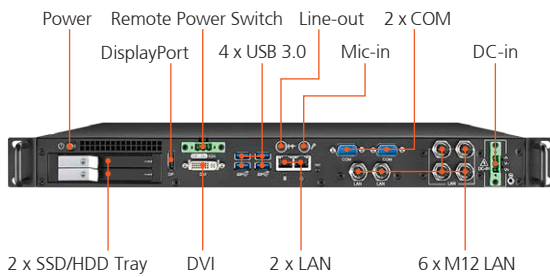
Dimensions

Unit : mm/ inch



Front I/O

Rear I/O



Order Information

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

Accessories

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