



Features

- 1U Rackmount Network Appliance
- Intel® Xeon® ICE-Lake-D HCC Processor
- SOC PCH
- DDR4 U-DIMM R-DIMM slots x 4
- IPMI Support
- SFP+ from CPU x 8
- RJ45 I350-AM4 LAN Chip x 8
- NIM Slot x 2
- Min PCIe (Colay M.2 B-Key) x 1
- Mini PCIe (Colay M.2 E-Key) x 1
- M.2 M-Key 2280 x 1
- TPM 2.0
- 2.5" SATA HDD x 2
- Real PCIe x 16 expansion slot(Optional)
- RJ-45 Console x 1, USB 3.0 x 2
- 220W Power

Specifications

| System | |
|--------------------|--|
| Form Factor | 1U Rackmount ICE-Lake-D HCC Platform Network Appliance |
| Processor | Intel® Xeon® ICE-Lake-D HCC Processors |
| Chipset | SoC |
| System Memory | DDR4 U-DIMM R-DIMM slots x 4 |
| Network | |
| Ethernet | Intel® i350-AM4 Gigabit Ethernet x 8 and SFP+ x 4 from CPU |
| Bypass | — |
| NIM Slot | NIM Slot x 2 |
| Display | |
| Graphic Controller | — |
| Connector | — |
| Storage | |
| HDDs | 2.5" HDD x 2 |
| CF/CFast/mSATA | M.2 M-Key 2280 |

| Internal/ Expansion Interface | |
|--|---|
| PCIe slot | Rear Expansion PCIe x 16 Slot x 1(Optional) |
| Mini-Card slot | Mini PCIe slot with SIM(Optional M.2 B-Key) x 1 Mini PCIe slot with SIM(Optional M.2 E-Key) x 1 |
| IPMI | Option |
| Keyboard and Mouse | — |
| USB | USB 3.0 x 2 |
| Miscellaneous | |
| RTC | — |
| Watchdog Timer | 1~255 |
| Software Button | 1 |
| TPM | 2 |
| GPIO | 8Pin |
| FAN | 2 |
| MTBF (Hours) | — |
| Color | Fan |
| Environmental Parameters and Dimension | |
| Power Requirement | — |
| Operating Temperature | 32°F ~ 104°F (0°C ~ 40°C) |
| Storage Temperature | -4°F~ 140°F (-20°C ~ 60°C) |
| Operating Humidity | 10%~80% relative humidity, non-condensing |
| Storage Humidity | 0%~80% @40°C; non-condensing |
| Vibration | 0.5 g rms/ 5 ~ 500Hz / operation (2.5" Hard Disk Drive) 1.5 g rms/ 5 ~ 500Hz / non operation |
| Shock | 10 G peak acceleration (11 m sec. duration), operation 20 G peak acceleration (11 m sec. duration), non operation |
| Dimension (W X D X H) | 16.93" x 7.87" x 1.73"(430mm x 200mm x 44mm) |
| I/O Interfaces | |
| Front Panel | Power LED x 1 Status LED x 1 HDD Active LED x 1 USB 3.1Ports x 2 RJ-45 Console option Micro USB console x 1 RJ-45 IPMI Port When install the IPMI card (NC-SI interface or IPMI Module LAN) x 1 Software Programmable Button x 1 SFP+ Port (from CPU) x 8 8+2 x RJ45 Port w/o IPMI with IPMI 8+1 x RJ45 2 NIM Slot |
| Rear Panel | AC Power Input x 1 Power Switch x 1 Rear Expansion Slot (Optional PCIe [x8 or x16]) x 1 If with NIM only PCIe x 8 (PER-R30X or TBD) If No NIM PCIe x 16 (Create new Riser card) |