



LAND



SEA



AIR

ROC288AA

1U 19" DC-DC Redundant Fanless Server

With Intel 14th / 13th Processor



- Intel® Raptor Lake-S/R 14th / 13th Gen Processor (up to 65W)
- PCH Q670
- 2 x SO-DIMM DDR5 5200 MHz up to 64GB
- 2 x LAN, 2 x DP, 2 x HDMI, 4 x USB Ports
- 2 x 2.5" SATA HDD/SSD Easy Swap Tray
- DC-IN 16~31V w/Redundant
- Operation Temp. ET : -20 ~ 60°C ; UT : -30 ~ 70°C



Specifications

System

| | |
|---------------------------|---|
| HighPerformance Processor | 13th/12th Gen Intel® Raptor Lake-S/Alder Lake-S LGA1700 Socket Processor / Core i9/i7/i5/i3 Processor / TDP 65W |
| Memory type | DDR5 4800 MHz / 2 x 262-pin SO-DIMM / Max. 64 GB (Non-ECC) |
| Chipset | Intel® Q670 Chipset |
| Expansion Slot | 1 x PCIe expansion slot(PCIe x 16 FHHL) |

Storage

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|---------|--|
| HDD/SDD | 2x 2.5" Solid State Disk (SSD) 2x SATAIII |
|---------|--|

Ethernet

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|----------|---|
| Ethernet | 1 x Intel® I226-LM 2.5Giga LAN 2 x Intel® I226-V 2.5Giga LAN |
|----------|---|

Front I/O

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|----------------|--|
| DisplayPort | 2 x DP |
| HDMI | 2 x HDMI |
| Ethernet | 4 x 2.5GbE RJ45 |
| Audio | 1 x Mic-in, 1 x Line-out |
| USB Port | 6 x USB 3.1 |
| PCIe expansion | 1 x PCIe expansion slot (PCIe x 16 FHHL) |
| DC-IN | 2 x DC plug |

Rear I/O

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|--------------------|----------------------------------|
| Easy Swap SSD Tray | 2 |
| Button | 1 x Power Button w/Indicator LED |
| Indicator LED | SSD |

Power Requirement

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|-------------|--------------------------|
| Power Input | DC-IN 16~31V w/Redundant |
|-------------|--------------------------|

Applications, Operating System

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|------------------|---|
| Applications | Commercial and Industrial Platforms, Embedded Computing, Process Control, Intelligent Automation and manufacturing applications |
| Operating System | Windows 10/11 64Bit |

Linux (support by request)

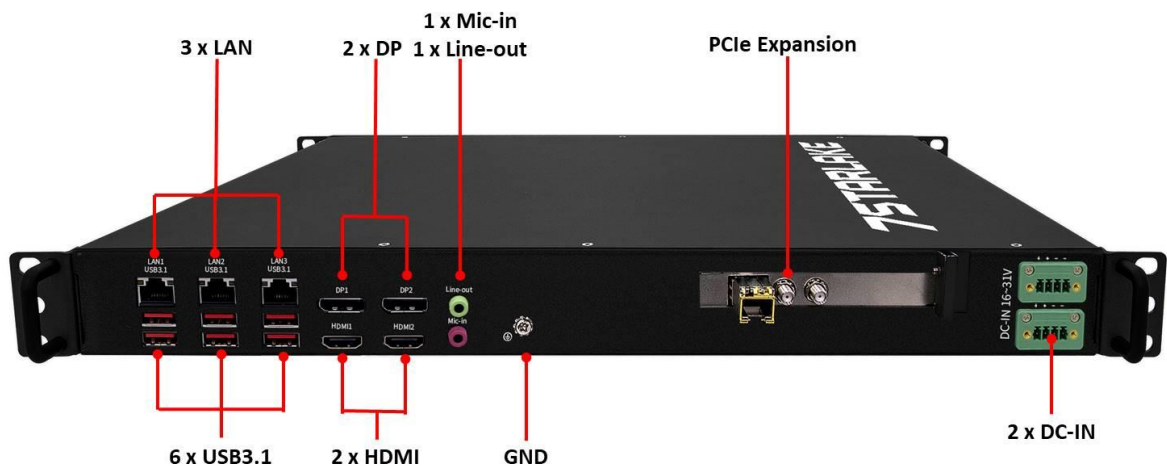
Physical

| | |
|-----------------------|-------------------------------------|
| Dimension (W x D x H) | 450 x400 x 44.4 mm |
| Weight | 6 Kg |
| Chassis | SECC |
| Heatsink | Aluminum Alloy, Corrosion Resistant |
| Finish | Anodic aluminum oxide |

Environmental

| | |
|-----------------------|--------------------------------------|
| Green Product | RoHS compliance |
| Operating Temperature | ET : -20 to 60°C UT : -30 to 70°C |
| Storage Temperature | -40 to 85°C |
| Relative Humidity | 5% to 95%, non-condensing |
| EMC | CE and FCC compliance |

IO Placement





Ordering Information

ROC288AA-ET

1U 19" DC-DC Fanless System with Intel® Raptor Lake-R/S 14th/13th Processor(Up to 65W), Q670, 2 x DDR5 SO-DIMM up to 64GB, 2 x DisplayPort, 2 x HDMI,6 x USB3.1, 2 x USB2.0, 16~31V DC-IN w/Redundant , Operating Temp. -20~+60°C

ROC288AA-UT

1U 19" DC-DC Fanless System with Intel® Raptor Lake-R/S 14th/13th Processor(Up to 65W), Q670, 2 x DDR5 SO-DIMM up to 64GB, 2 x DisplayPort, 2 x HDMI,6 x USB3.1, 2 x USB2.0, 9~48V DC-IN w/Redundant, Operating Temp. -30~+70°C