ROC288A

1U 19" DC-DC Fanless Server With Intel 14ᵀᴴ / 13ᵀᴴ Processor

13th Raptor lake

14th Raptor Lake Refresh

- Intel®Raptor Lake-S/R 14th /13th Gen Processor(up to 65W)
- PCH Q670E/R680E
- 2 x SO-DIMM DDR5 5200 MHz up to 64GB
- 3 x LAN, 6 x USB3.1 , 2 x USB2.0, 2 x DisplayPort, 2 x HDMI, 1 x Line-out/Mic-in
- 2 x 2.5"SATA HDD/SSD Easy Swap Tray
- DC-IN 12~36V
- Opeattion Temp. ET : -20 ~ 60℃ ; UT : -30 ~ 70℃

Specifications

System

HighPerformance Processor	Intel® 13th /14th Core-i® Processor i7-13700TE (Frequency 3.6GHz, Turbo Boost Frequency up to 4.8GHz, 16-Core,24 Thread Support, 30MB Smart Cache)
Memory type	DDR5 5200 MHz / 2 x 262-pin SO-DIMM / Max. 64 GB (Non-ECC/ECC)
Chipset	Intel® Q670E/R680E Chipset
Expansion Slot	1 x PCIe expansion slot(PCIe x 16 HHHL)

Display

DP	Resolution up to 4096 x 2304 @60Hz
HDMI	Resolution up to 4096 x 2304 @60Hz

Storage

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

Ethernet

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

Front I/O

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

Rear I/O

DisplayPort	2 x DP
HDMI	2 x HDMI
Ethernet	3 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	1 x DC plug

Power Requirement

Power Input	DC-IN 12~36V

Applications, Operating System

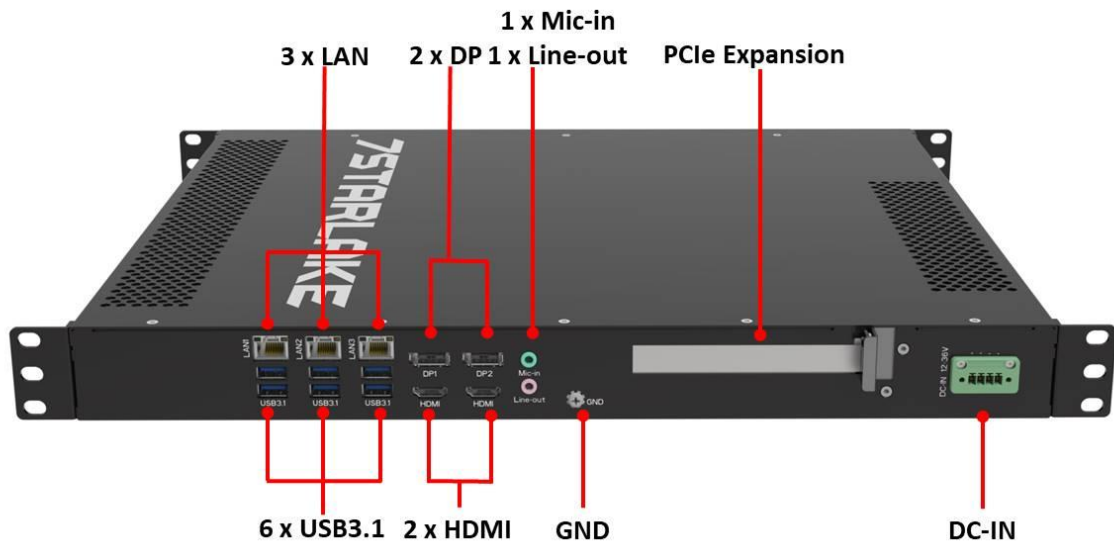|	
Applications	Commercial and Industrial Platforms, Embedded Computing, Process Control,Intelligent Automation and manufacturing applications
Operating System	Windows 10/11 64Bit Linux (support by request)

Physical

Dimension (W x D x H)	430 x 370 x 44.4 mm
Chassis	SECC
Heatsink	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide

Environmental

Green Product	RoHS design to meet
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 design to meet

IO Placement

Ordering Information

ROC288A-ET

1U 19" DC-DC Fanless System with Intel® Raptor Lake-R/S 14th/13th Processor(Up to 65W), Q670E/R680E, 2 x DDR5 SO-DIMM up to 64GB, 2 x DisplayPort, 2 x HDMI,6 x USB3.1, 2 x USB2.0, 12~36V DC-IN, Operating Temp. -20~+60°C

ROC288A-UT

1U 19" DC-DC Fanless System with Intel® Raptor Lake-R/S 14th/13th Processor(Up to 65W), Q670E/R680E, 2 x DDR5 SO-DIMM up to 64GB, 2 x DisplayPort, 2 x HDMI,6 x USB3.1, 2 x USB2.0, 12~36V DC-IN, Operating Temp. -30~+70°C