



# ROC288AA

**1U 19" DC-DC REDUNDANT FANLESS SERVER  
WITH INTEL 14<sup>TH</sup> / 13<sup>TH</sup> PROCESSOR**



- Intel®Raptor Lake-S/R 14<sup>th</sup> /13<sup>th</sup> 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 16~31V w/Redundant
- Opeattion Temp. ET : -20 ~ 60°C ; UT : -30 ~ 70°C



# pecifications

## 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 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	2x 2.5" Solid State Disk (SSD) 2x 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	2 x DC plug

## POWER REQUIREMENT

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

## 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

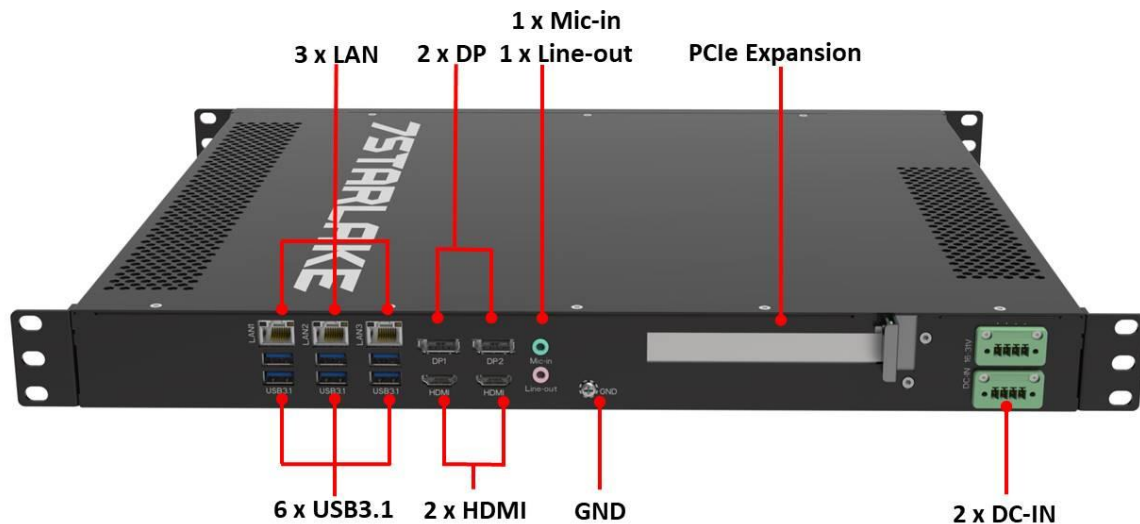
Dimension (W x D x H)	430 x 400 x 44.4 mm
Chassis	SECC
Heatsink	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide

## 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

### ROC288AA-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, 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), Q670E/R680E, 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