



LAND



SEA



AIR

RAPTOR LAKE

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



- Intel® Raptor Lake-S/R 14th /13th Gen Processor (up to 65W)
- PCH Q670E/R680E
- 2x 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
- AC-IN 100~240V w/Redundant
- Operation Temp. ET: -20°C to +50°C ; UT: -40°C to +60°C

Specifications

SYSTEM

HighPerformance Processor	14 th /13 th Gen Intel® Raptor Lake-S/Alder Lake-S LGA1700 Socket Processor / Core i9/i7/i5/i3 Processor / TDP 65W
MemoryType	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
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ETHERNET

Ethernet	1 x Intel® I226-LM 2.5Giga LAN 2 x Intel® I226-V 2.5Giga LAN
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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 xMic-in, 1 x Line-out
USB Port	6 x USB 3.1
PCIe expansion	1 x PCIe expansion slot (PCIe x 16 FHHL)
AC-IN	2 x AC plug

POWER REQUIREMENT

Power Input	AC-IN 100~240V w/Redundant
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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

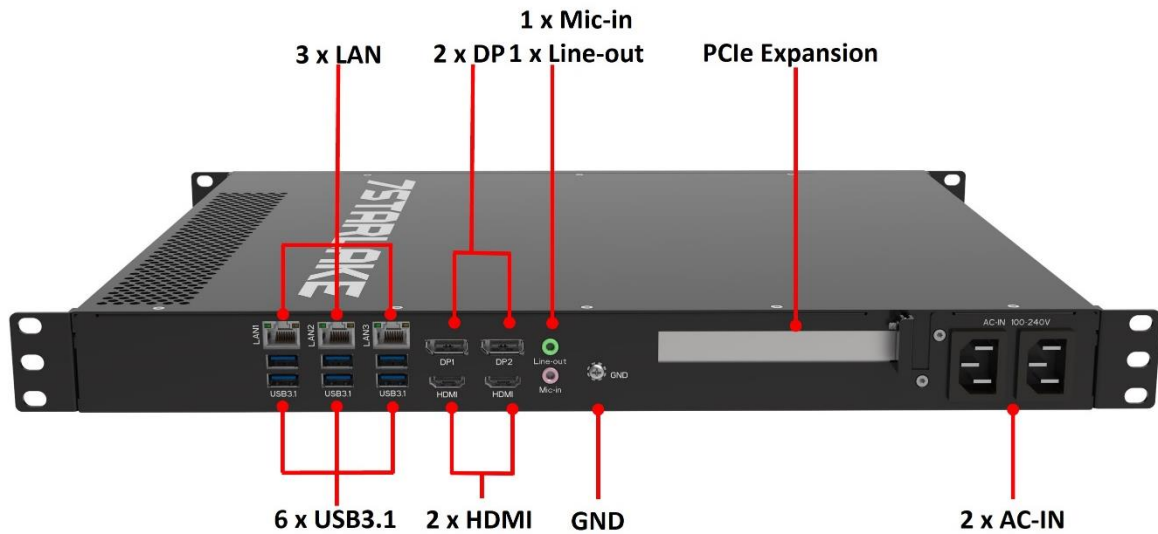
Dimensions (W x D x H)	430 x 380 x 44.4 mm
Chassis	SECC
Heatsink	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide

ENVIRONMENTAL

Green Product	RoHS design to meet
Operating Temperature	ET: -20°C to 50°C UT: -40°C to 60°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

ROC288BB-ET

1U 19" AC-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, 100~240V AC-IN w/Redundant, Operating Temp. -20°C to +50°C

ROC288BB-UT

1U 19" AC-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, 100~240V AC-IN w/Redundant, Operating Temp. -40°C to +60°C

This datasheet is for marketing purposes only and does not constitute a warranty. All specifications, dimensions, and data are subject to change without notice. For the latest specifications and updates, please contact your 7STARLAKE representatives.