





RUC688

1U 19" DC-DC Redundant 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
- 2x SO-DIMM DDR55200 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 x2.5"SATA HDD/SSD Easy Swap Tray
- AC-IN 100~240V
- Operation Temp. ET :-20°C to+50°C ; UT : -40°C to+60°C

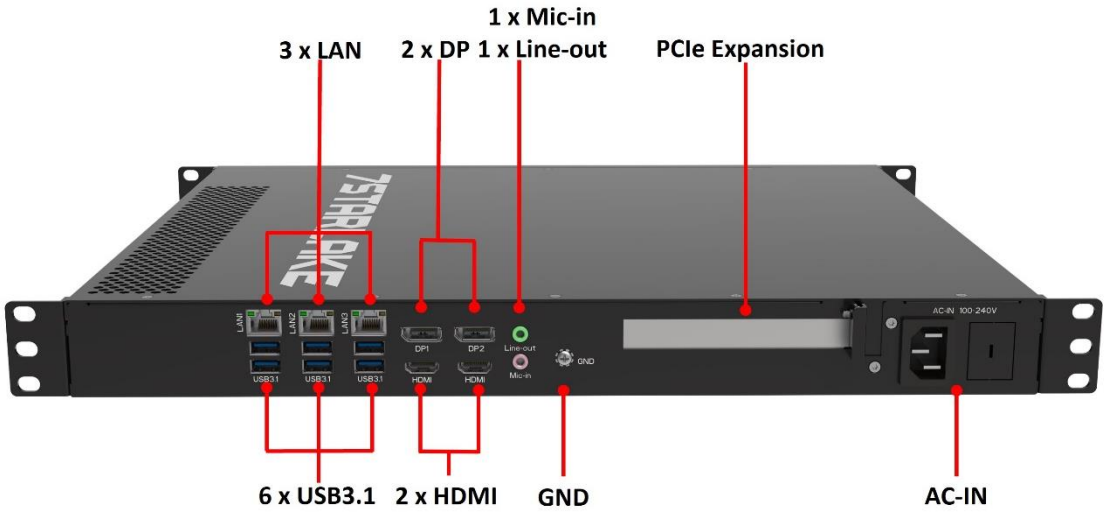
Specifications

System	
HighPerformance Processor	14th/13thGen 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)
AC-IN	1 x AC plug
Power Requirement	
Power Input	AC-IN 100~240V

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

ROC288B-ET

1U 19" AC-DC FanlessSystem withIntel® 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 , Operating Temp. -20°Cto +50°C

ROC288B-UT

1U 19" AC-DC FanlessSystem withIntel® 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 , Operating Temp. -40°Cto +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.