



LAND



SEA



AIR

RUGGED

**1 U 19" AC-DC REDUNDANT FANLESS SERVER
WITH INTEL RAPTOR LAKE-S PROCESSOR**



1 U FANLESS RUGGED SERVER

- Intel®Raptor / Alder Lake-S13th /12th Gen Processor(up to 65W)
- PCH Q670
- 2 x SO-DIMM DDR5 4800 MHz up to 64GB
- 1 x M.2 2242/2280 M-Key(PCIe3.0 x4 / STATIII)
- 1 x M.2 2230 E-Key(PCIe x 1 / USB2.0)
- 1 x M.2 3042 B-Key(PCIe x 1 / USB2.0. SATAIII)
- 4 x USB3.1 , 2 x USB2.0, 1 x DisplayPort, 1 x HDMI, 2 x LAN, 1 x Line-out/Mic-in
- 2 x 2.5" SATA HDD/SSD Easy Swap Tray
- AC-IN 90~260V with redundant
- Operation Temp. ET : -20 ~ 60°C ; UT : -30 ~ 70°C



Specifications

SYSTEM

High Performance 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	1x M.2 2230 E key (PCIe X1 , USB2.0, SMBus, CNVi) / 1x M.2 3042 B key (USB2.0, PCIe3.0 X1, SATAIII) / 1x M.2 2242 / 2280 M key (PCIe3.0 X4, SATAIII)

STORAGE

HDD/SDD	2 x 2.5" SATA HDD/SSD easy swap tray
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ETHERNET

Ethernet	Intel® I219-LM Giga LAN + Intel® I225V 2.5 Giga LAN
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FRONT I/O

DisplayPort	1 x DP
HDMI	1 x HDMI
Ethernet	2 x RJ45(1 x GbE ; 1 x 2.5GbE)
Audio	2 x 3.5mm Audio Jacks (1 x Mic-in, 1 x Line-out)
USB Port	4 x USB 3.1(10Gb/s)
AC-IN	2 x AC In ; 90~260V

REAR I/O

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

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

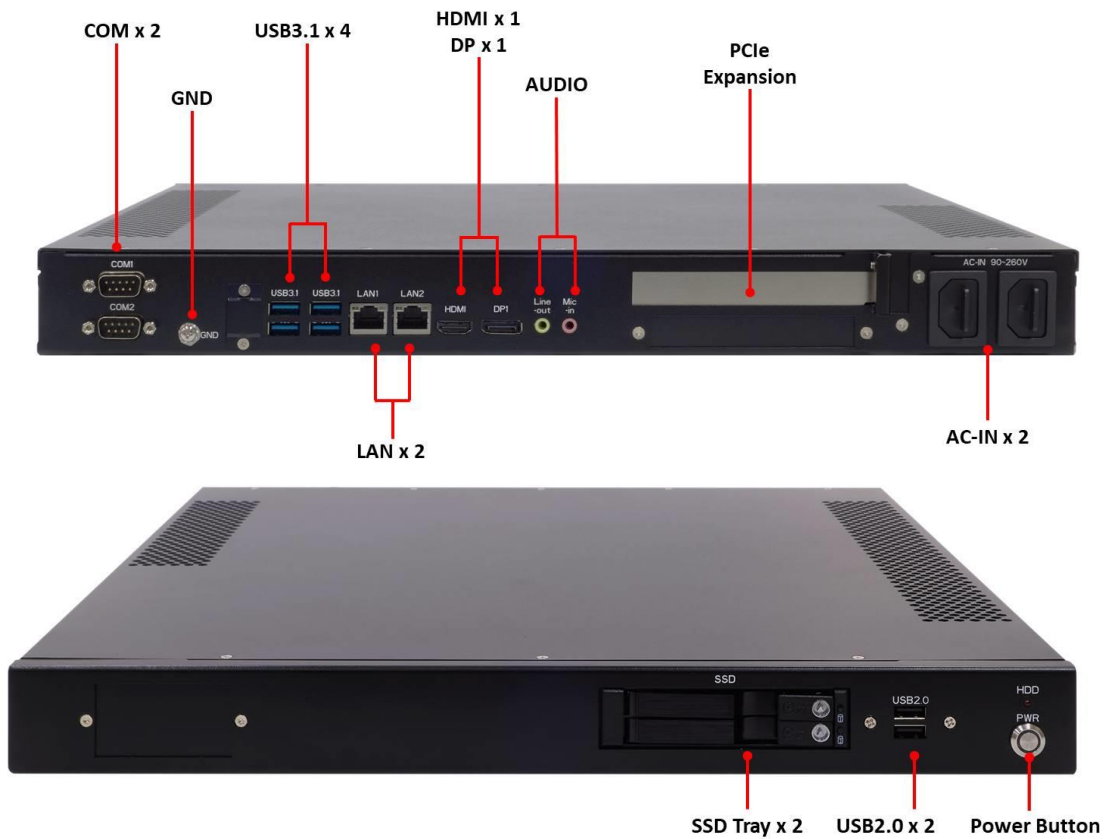
Dimension (W x D x H)	430 x430 x 44.4 mm
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Weight	6 Kg
Chassis	SECC
Heatsink	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide

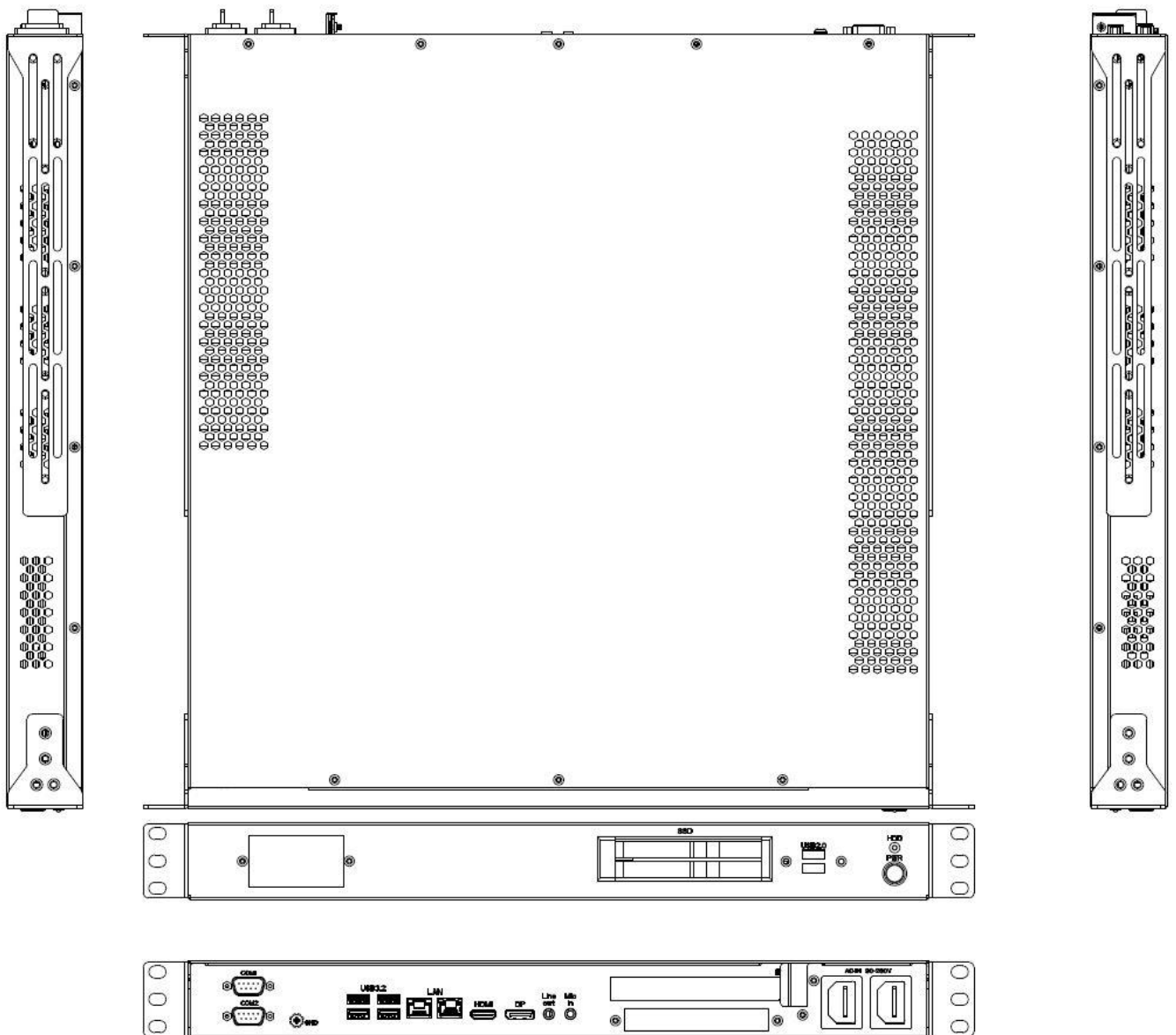
ENVIRONMENTAL

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



Dimension



Ordering Information

ROC288BB-ET

19" 1U Rack-mount Rugged Fanless AC-DC Redundant System with Intel® Raptor/Alder Lake-S13th/12th Processor (Up to 65W), Q670, 2 x DDR5 SO-DIMM up to 64GB, 1 x DisplayPort, 1 x HDMI, 4 x USB, 100~240V AC-IN*2 Redundant support, Operating Temp. -20~+60°C

ROC288BB-UT

19" 1U Rack-mount Rugged Fanless AC-DC Redundant System with Intel® Raptor/Alder Lake-S13th/12th Processor (Up to 65W), Q670, 2 x DDR5 SO-DIMM up to 64GB, 1 x DisplayPort, 1 x HDMI, 4 x USB, 100~240V AC-IN*2 Redundant support, Operating Temp. -30~+70°C