



LAND



SEA



AIR



# ROC288A

**1U 19" DC-DC 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 12~36V
- Opeattion Temp. ET : -20 ~ 60°C ; UT : -30 ~ 70°C

# 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)<br>2 x SATAIII |
|---------|------------------------------------------------|

## ETHERNET

|          |                                                                 |
|----------|-----------------------------------------------------------------|
| Ethernet | 1 x Intel® I226-LM 2.5Giga LAN<br>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<br>Linux (support by request)                                                                               |

## PHYSICAL

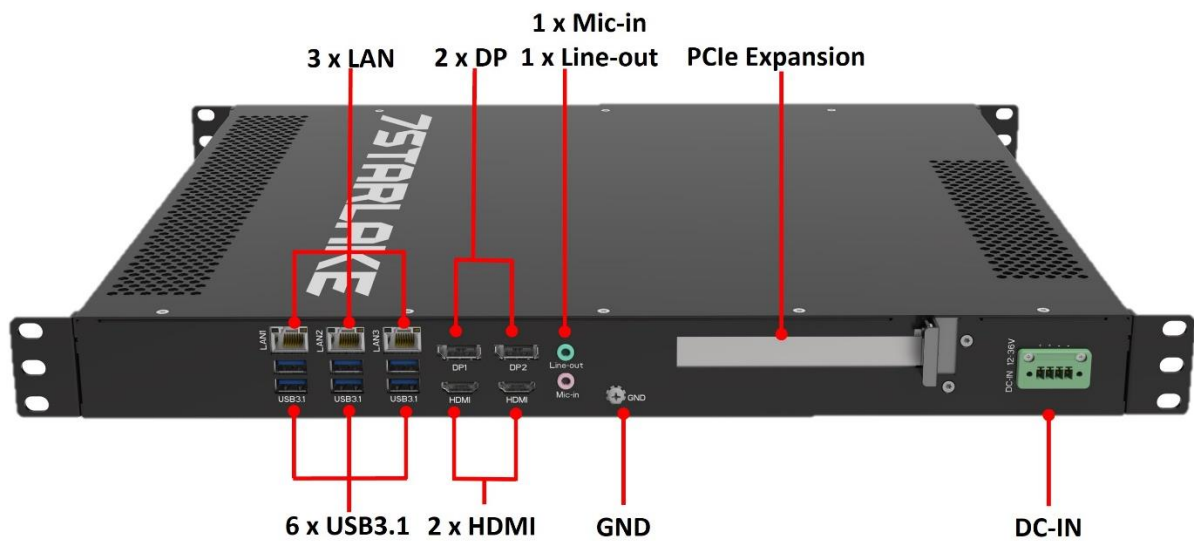
|                       |                                     |
|-----------------------|-------------------------------------|
| Dimension (W x D x H) | 430 x 370 x 44.4 mm                 |
| Chassis               | SECC                                |
| Heatsink              | Aluminum Alloy, Corrosion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

## ENVIRONMENTAL

|                       |                                      |
|-----------------------|--------------------------------------|
| Green Product         | RoHS design to meet                  |
| Operating Temperature | ET : -20 to 60°C<br>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

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.