



LAND



SEA



AIR



# ROC270A-DD

1U Fanless Server with Intel® Xeon  
W-1270TE (Comet lake-S)



- Intel® Xeon W-1270TE Comet Lake-S Processor
- 1 x DVD-RW
- 1 x Speaker out (3W Amplifier)
- 2 x SO-DIMM DDR4 2933 MHz up to 64GB
- 6 x USB, 2 x DisplayPort, 1 x HDMI, 2 x LAN, 1 x Lin e-out/Mic-in, 2x COM Ports
- 2 x 2.5" SATA HDD/SSD Easy Swap Tray
- DC IN 110V power supply
- Operation Temp. : -20 to 60°C

# Specifications

## System

|                            |   |
|----------------------------|---|
| High Performance Processor | Socket LGA1200 for Intel® Xeon W-1270TE(35W/8C/16T)   |
| Memory type                | 2 x SO-DIMM DDR4 2933 MHz up to 64GB  |
| Chipset                    | Intel® W480E Chipset  |
| Expansion Slot             | 1 x PCIe x16<br>1x M.2 (Key M, 2242/2260/2280) with PCIe x4 and SATA<br>1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless<br>1 x M.2 (Key B, 3042 / 3052) with PCIe x1 / USB 3.2 Gen1 /USB2.0 and SIM for 4G / 5G |

## Storage

|         |   |
|---------|---|
| HDD/SDD | 2 x 2.5" SATA HDD/SSD easy swap tray (up to 2TB for each) |
|---------|---|

## Ethernet

|          |   |
|----------|---|
| Ethernet | LAN1: Intel® I225LM with 10/100/1000/2500 Mbps<br>LAN2: Intel® I219LM with 10/100/1000 Mbps |
|----------|---|

## Rear I/O

|             |                           |
|-------------|---------------------------|
| DisplayPort | 2 x DP                    |
| HDMI        | 1 x HDMI                  |
| Ethernet    | 1 x 2.5GbE / 1 x GbE      |
| Audio       | 1 x Mic-in / 1 x Line-out |
| COM         | 2 x RS232/422/485         |
| USB Port    | 4 x USB 3.1               |
| DVD-RW      | 1 x DVD-RW                |
| Speaker Out | 1 x 3W amplifier          |
| DC-IN       | 110VDC Terminal Block     |

## Front I/O

|                    |                                  |
|--------------------|----------------------------------|
| Button             | 1 x Power Button w/Indicator LED |
| Indicator LED      | HDD/SSD                          |
| USB Port           | 2 x USB 2.0                      |
| Easy Swap SSD Tray | 2                                |

## Applications, Operating System

|                  |   |
|------------------|---|
| Applications     | Commercial and Industrial Platforms, Embedded Computing, Process Control, Intelligent Automation and manufacturing applications |
| Operating System | Windows 10 64Bit<br>Linux (support by request)  |

## Physical

|                       |                                     |
|-----------------------|-------------------------------------|
| Dimension (W x D x H) | 430 x 450 x 44.4 mm                 |
| Weight                | 8.92Kg                              |
| Chassis               | SECC                                |
| Heatsink              | Aluminum Alloy, Corrosion Resistant |
| Finish                | Anodic aluminum oxide               |

## Environmental

|                        |  |
|------------------------|--|
| MIL-STD-810G Standards | Method 507.5, Procedure II (Temperature & Humidity)<br>Method 501.5, Procedure I (Storage/High Temperature)<br>Method 501.5, Procedure II (Operation/High Temperature)<br>Method 502.5, Procedure I (Storage/Low Temperature)<br>Method 502.5, Procedure II (Operation/Low Temperature)<br>Method 503.5, Procedure I (Temperature shock) |
| Green Product          | RoHS compliance  |
| Operating Temperature  | -20 to 60°C  |
| Storage Temperature    | -40 to 85°C  |
| Relative Humidity      | 5% to 95%, non-condensing  |
| EMC                    | CE and FCC compliance  |

## Ordering Information

### ROC270A-DD

19" 1U Rack-mount Rugged Fanless System with Intel® Xeon W-1270TE 10th Processor, DDR4 2933MHz 2x SO-DIMM, 2 x DisplayPort, 1 x HDMI, 6 x USB, 110VDC-in, 1 x DVD-RW, 1 x 3W speaker out, Operating Temp. -20~+60°C