



# RUGESSAA

1U 19" DC-DC REDUNDANT FANLESS SERVER WITH INTEL COFFEE LAKE-R PROCESSOR



## 1 U FANLESS RUGGED SERVER

- Intel® Coffee Lake-Refresh 8th/9<sup>th</sup> Gen Processor (up to 65W)
- 2 x SO-DIMM DDR4 2666 MHz up to 64GB
- 1 x PCle x16 Slot, 1 x M.2(Key M, PCle x4 and SATA) Expansion Slot
- 6 x USB, 2 x DisplayPort, 1 x HDMI,
  2 x LAN, 1 x Line-out/Mic-in, 2 x COM
- 2 x 2.5"SATA HDD/SSD Easy Swap Tray

# **Specifications**

### SYSTEM

High Performance	Socket LGA 1151 for Intel® Core i7/i5/i3/Celeron® (Supports up to 65W) Intel®
Processor	8 <sup>th</sup> /9 <sup>th</sup> Processor
Memory type	2 x SO-DIMM DDR4 2666 MHz up to 64GB
Chipset	Intel® Q370 Chipset
Expansion Slot	1 x PClex16
	1x M.2 (Key M, 2242/2280) with PClex4 and SATA
STORAGE	
HDD/SDD	2 x 2.5" SATA HDD/SSD easy swap tray
ETHERNET	
Ethernet	Intel® I210-AT & I219-LM GbE LAN (support 10/100/1000 Mbps for x2 RJ45
	ports)
REAR I/O	
DisplayPort	2 x DP
HDMI	1 x HDMI
Ethernet	2 x RJ45 Intel® I210 & I219LM GbE LAN (support 10/100/1000 Mbps)
Audio	2 x 3.5mm Audio Jacks (1 x Mic-in, 1 x Line-out)
COM	2 x RS232/422/485 (422/485 select by BIOS)
USB Port	4 x USB 3.1(10Gb/s)
DC-IN	9~36V DC IN (2 x 4P x Terminal Block)
FRONT I/O	
Button	1 x Power Button w/Indicator LED
Indicator LED	HDD
USB Port	2 x USB 2.0
Easy Swap SSD Tray	2
APPLICATIONS, O	PERATING SYSTEM
Applications	Commercial and Industrial Platforms, Embedded Computing, Process

Control, Intelligent Automation and manufacturing applications

Windows 10 64Bit

Linux (support by request)

# 75TARLAKE

**Operating System** 

#### **PHYSICAL**

Dimension (W x D x H)	430 x450 x 44.4 mm
Weight	8.92Kg
Chassis	SECC
Heatsink	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide
ENVIRONMENTAL	
MIL-STD-810G TEST	Method 507.5, Procedure II (Temperature & Humidity)
	Method 501.5, Procedure I (Storage/High Temperature)
	Method 501.5, Procedure II (Operation/High Temperature)
	Method 502.5, Procedure I (Storage/Low Temperature)
	Method 502.5, Procedure II (Operation/Low Temperature)
	Method 503.5, Procedure I (Temperature shock)
Green Product	RoHS compliance
Operating	w/o Graphic Card (ET: -20 to 60°C; UT: -30 to 70°C) ; w/Graphic Card (0 to
Temperature	50°C)
Storage Temperature	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing
EMC	CE and FCC compliance

## **Ordering Information**

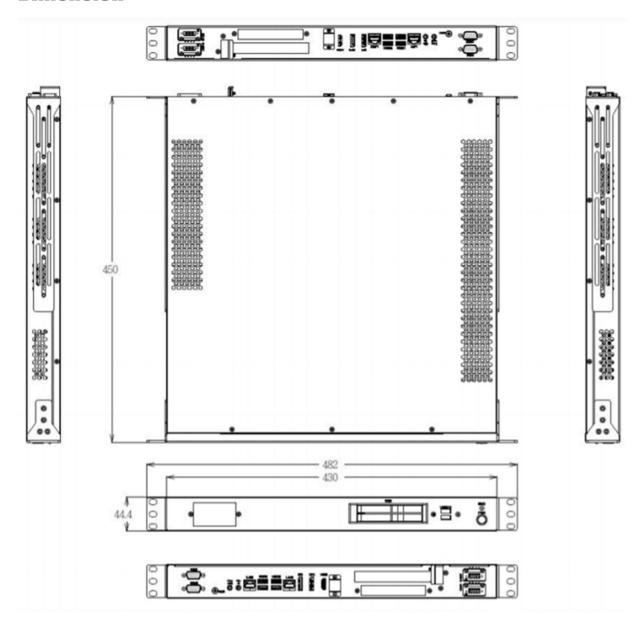
## **ROC286AA-ET**

19" 1U Rack-mount Rugged Fanless DC-DC Redundant System with Intel® Coffee Lake-Refresh 8th/9th Processor(Up to 65W), 2 x DisplayPort, 1 x HDMI, 1 x PCle x16, 6 x USB,9 $\sim$ 36V DC-IN\*2 Redundant support, Operating Temp. -20 $\sim$ +60°C

## **ROC286AA-UT**

19" 1U Rack-mount Rugged Fanless DC-DC Redundant System with Intel® Coffee Lake-Refresh 8th/9th Processor(Up to 65W), 2 x DisplayPort, 1 x HDMI, 1 x PCle x16, 6 x USB,9 $\sim$ 36V DC-IN\*2 Redundant support, Operating Temp.-30 $\sim$ +70°C

# **Dimension**



# **10 Placement**



