



LAND



SEA



AIR

ROC270A

19" 1U SHORT DEPTH TURBO FAN /
FANLESS COMPUTER



MIL-STD

461

MIL-STD

810

- Intel® 10th Core-i® i7-10700TE Processor
- Up to 64GB SO-DIMM DDR4-2933MHz
- 1 x 2.5GbE ; 1 x GbE
- 2 x DP , 1 x HDMI, 8 x USB Ports
- 1 x PCIe3.0x16 Expansion Slot
- 100~240V AC-IN
Option : 9~36V DC-IN and Redundant
- Extended Temperature -40 to 60 °C (W/O Fan)
Option : -40 to 85 °C (W/Fan)
- MIL-STD-810 / MIL-STD-461 Compliance
Option : MIL-STD-167-1A / MIL-STD-901

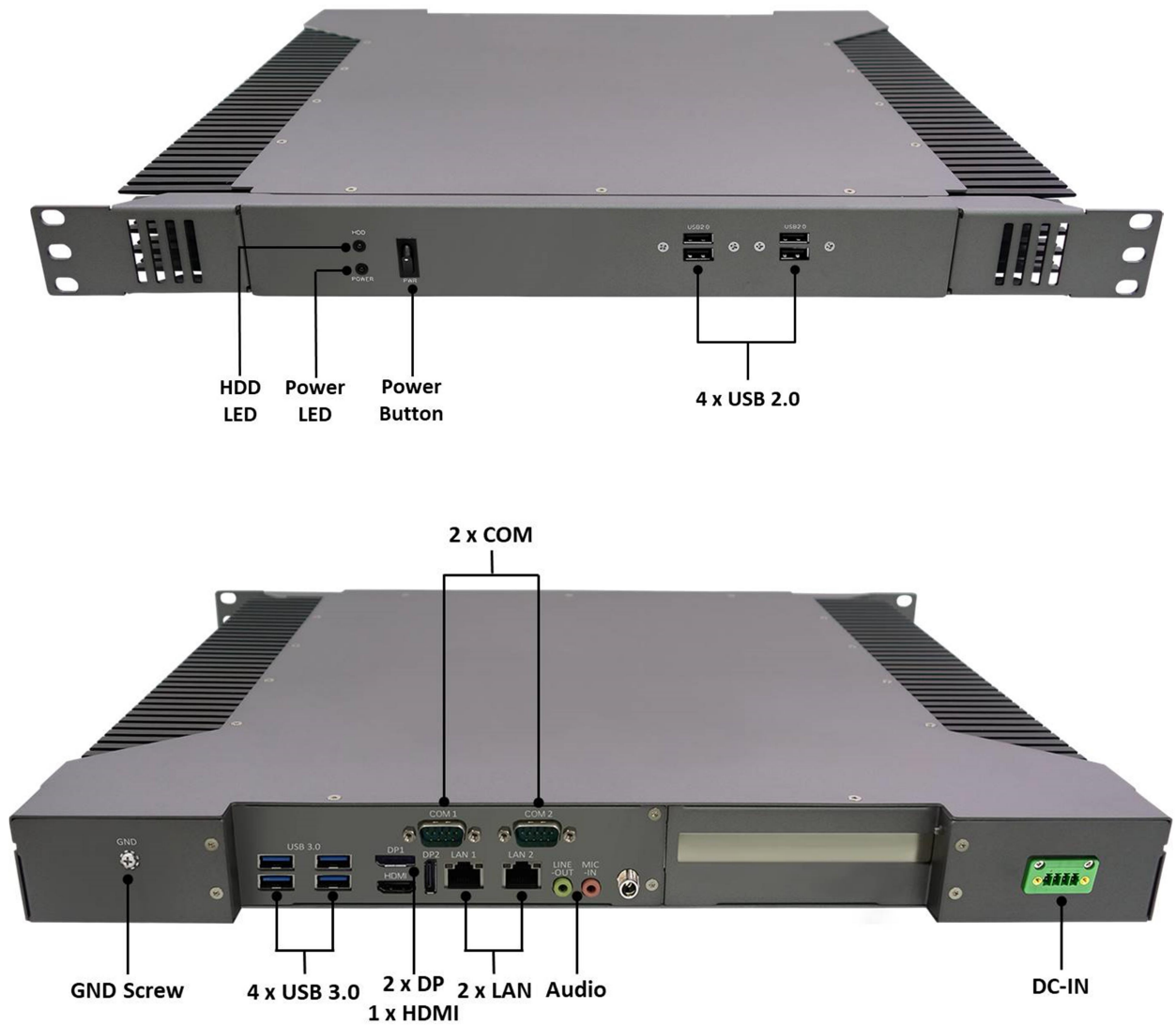
Specifications

SYSTEM	
High Performance Processor	Intel® 10 th Core-i® Processor i7-10700TE (Frequency 2.0GHz, Turbo Boost Frequency up to 4.4GHz), 8-Core,16 Thread Support, 16MB Smart Cache
Chipset	Q470E
Memory type	Up to 64GB SO-DIMM DDR4-2933MHz
Expansion Slot	1 x PCI-E 3.0 x 16 1 x M.2 B-Key 3042/3052 1 x M.2 E-Key 2230 1 x M.2 M-Key 2280/2242
DISPLAY	
DP	Resolution up to 4096 x 2304 @60Hz
HDMI	Resolution up to 4096 x 2304 @30Hz
STORAGE	
Storage Device	2 x 2.5" Solid State Disk (SSD) 1 x M.2 2280 NVMe
ETHERNET	
Ethernet	1 x Intel® I219-LM Giga LAN 1 x Intel® I225-LM Giga LAN
FRONT I/O	
Button	1 x Power Button
Indicator LED	1 x HDD LED ; 1 x Power LED
USB Port	4 x USB2.0 standard-A connectors
SSD Tray	2 x 2.5 SSD Easy Swap Tray
REAR I/O	
Ethernet	1 x 2.5GbE ; 1 x GbE
DP	2 x DP
HDMI	1 x HDMI
COM	2 x RS232/422/485
USB	4 x USB3.0 standard-A connectors
AUDIO	1 x Mic-in ; 1 x Line-out

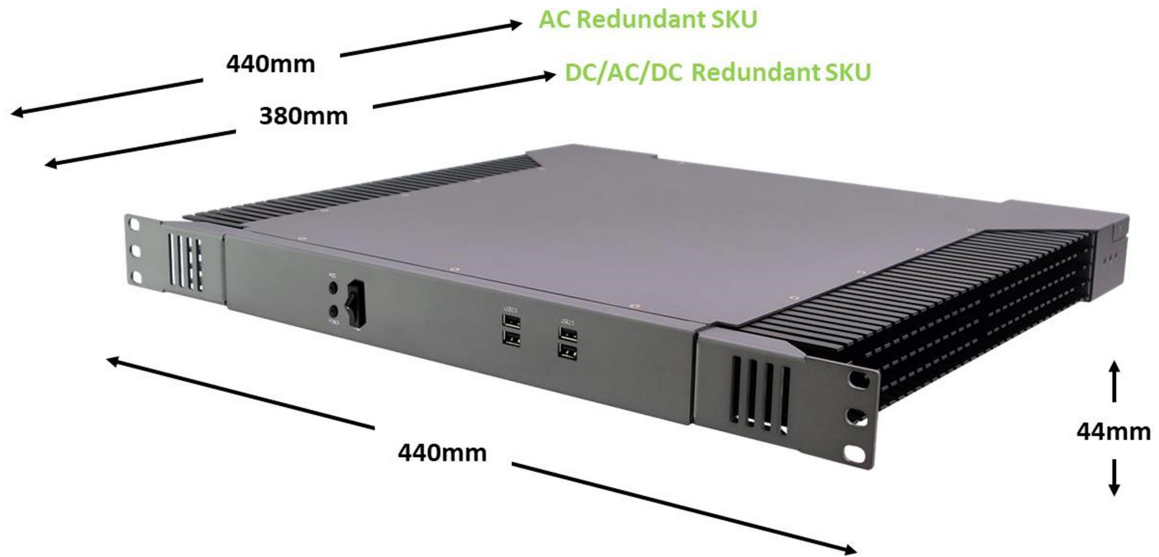
Power	AC-IN Plug or DC-IN Plug by option
POWER REQUIREMENT	
Power Input	AC option : 1. 100 to 240V AC-IN, 200W 2. 100 to 240V AC-IN, 200W Redundant DC option : 1. 9~36V DC-IN, 150W 2. 9~36V DC-IN, 150W Redundant
OPERATING SYSTEM	
Operating System	Windows 10 64Bit, Linux by option
PHYSICAL	
Dimension (W x D x H)	440 x 380 x 44mm (AC or DC or Redundant DC) 440 x 440 x 44mm (Redundant AC)
Chassis	SECC
ENVIRONMENTAL	
MIL-STD-810	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) Method 507.5, Procedure II (Temperature & Humidity) Method 514.6, Vibration Category 24/Non-Operating (Category 20 & 24,Vibration) Method 514.6, Vibration Category 20/Operating (Category 20 & 24,Vibration) Method 516.6, Shock-Procedure V Non-Operating (Mechanical Shock) Method 516.6, Shock-Procedure I Operating (Mechanical Shock) Option : MIL-STD-167-1 / MIL-STD-901
EMC	EN 61000-4-2: Air discharge: 8 kV, Contact discharge: 6kV EN 61000-4-3: 10V/m EN 61000-4-4: Signal and DC-Net: 1 kV EN 61000-4-5: Leads vs. ground potential 1kV, Signal und DC-Net: 0.5 kV CE and FCC MIL-STD-461 (Options): CE102 basic curve, 10kHz - 30 MHz RE102-4, (1.5 MHz) -30 MHz - 5 GHz RS103, 1.5 MHz - 5 GHz, 50 V/m equal for all frequencies

Operating Temperature	-40 to 60°C (W/O Fan) -40 to 85°C(W/ Fan, under 36 dB)
Storage Temperature	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing

I/O Placement



Dimension



Ordering Information

Fanless SKU :

Model Spec	ROC270A-AFL	ROC270A-AAFL	ROC270A-DFL	ROC270A-DDFL
CPU	I7-10700TE			
RAM	Up to 64GB SODIMM			
LAN	1 x 2.5GbE ; 1 x GbE			
USB 3.0	4			
USB 2.0	4			
DP	2			
HDMI	1			
Power	AC-DC 100~240V	AC-DC 100~240V Redundant	DC-DC 9~36V	DC-DC 9~36V Redundant
Dimension (W x D x H)	440 x 380 x 44mm	440 x 440 x 44mm	440 x 380 x 44mm	440 x 380 x 44mm
Operation Temp	-40 to +60°C			