PERFECTRON

ROC249A

Intel® Skylake 1U fanless 19" rackmount

Intel® i7-6700TE Processor, graphic card build-in supports up to 9 independent display output
16.8V to 31.2V DC-in, Operating temp. -20 ~ 50°C

- Intel® Skylake i7-6700TE (4 cores, 3.4GHz)
- 2 x SO-DIMM DDR4 up to 32GB
- Graphic AMD E8860/ NVIDIA M2000 build in
- Rich I/O interface with 4x USB, 3x COM, dual LAN
- 1 x mPCIe expansion slot
- 2 x 2.5" HDD/ SSD easy swap tray
- Wide range 16.8V to 31.2V DC-in
- Extended operating temperature. -20 to 50°C

© Copyright PERFECTRON Co., Ltd. All Rights Reserved .

Specifications

Specifications	
High Performance Processor	Support LGA1151 Intel® 6th Gen Core™ Skylake-S Processors (Max. Quad-Core, 8 Thread Support, SmartCache, Build-in HD Graphics 500 for excellent 3D, DirectX 12, OpenGL 4.4, OpenCL 2.0, Turbo Boost Technology 2.0 , VPro and Hyper-Threading and Intel® Ready Mode Technology support.
Memory	2 x 256-pin SODIMM, DDR4 / 2133 MHz up to 32GB
Chipset	Intel® Q170 Chipset providing integrated USB 3.0 and supporting 6th generation Intel® Core™ processor families
Expansion Slot	1 x Full-size miniPCIe with SIM Card for 3.5G connectivity 1 x M.2 (NGFF) 80*22 mm / B+M Key slot, for operating system 1 x PCIEx16 slot (Gen.3) for High Performance Graphic Card
Display	
Display Port	Resolution up to 4096 x 2304@60Hz
HDMI	Resolution up to 4096 x 2304@24Hz
PCIEx16 Graphic Card	AMD E8860: 6 x miniDisplayPort NVIDIA M2000: 4 x DisplayPort
Storage	
HDD/SDD	2 x 2.5" HDD/SSD easy swap tray Supports RAID 0/1
M.2	1 x M.2 (NGFF) M+B key slot for 2280 M.2 device (SATAIII) Rugged Industrial NAND Flash M.2 Storage (Optional Pre-loaded with Linux or Windows OS)
Ethernet	
Ethernet	1 x Intel I211AT, 1 x Intel I219LM Gigabit LAN Interfaces (10/100/1000Mbps)
Rear I/O	
DisplayPort	2 x DP++, resolution up to 4096 x 2304@60Hz
HDMI	1 x HDMI 1.4b, resolution up to 4096 x 2304@24Hz
Ethernet	2 x RJ45 Gigabit Ethernet LAN Interfaces
Audio	2 x 3.5mm Audio Jacks (1 x MIC, 1 x Line-Out)
Serial Port	3 x DB9 connector (1 x RS-232/422/485, 2 x RS-232)
USB Port	4 x USB3.0 standard-A connector
DC-IN	1 x 4P Rugged Terminal connector
Front I/O	
Button	1 x Power Button
Indicator LED	Power, HDD
Power Requirement	
Power Input	16.8V to 31.2V DC-in, 150W max.
Power Type	AT/ATX Mode Select by Jumper

© Copyright PERFECTRON Co., Ltd. All Rights Reserved .

Applications, Operating System	
Applications	Commercial and Industrial Platforms, Embedded Computing, Process Control, Intelligent Automation and manufacturing applications
Operating System	Windows 7 32/64Bit, Windows 8 32/64Bit, Windows 10 32/64Bit Ubuntu13.04, Ubuntu13.10, Ubuntu14.04, Fedora 20
Physical	
Dimension (W x D x H)	440 x 420 x 44 mm
Weight	8.1 Kg (17.8 lbs)
Chassis	SECC
Heatsink	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide (Color Iron gray)
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)
EMC	CE and FCC compliance
Green Product	RoHS compliance
Operating Temp.	-20 to 50°C
Storage Temp.	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing

Ordering information

ROC249A-M2000

19" 1U Rack-mount Rugged Fanless System with Intel® Skylake-S,
NVIDIA® Quadro®M2000 with 4 DisplayPort,
M.2 (NGFF), Mini PCIe, 16.8V to 31.2V DC-in, Operating Temp. -20~50°C

ROC249A-E8860

19" 1U Rack-mount Rugged Fanless System with Intel® Skylake-S,
AMD Radeon™ E8860 with 6 mini DisplayPort,
M.2 (NGFF), Mini PCIe, 16.8V to 31.2V DC-in, Operating Temp. -20~50°C

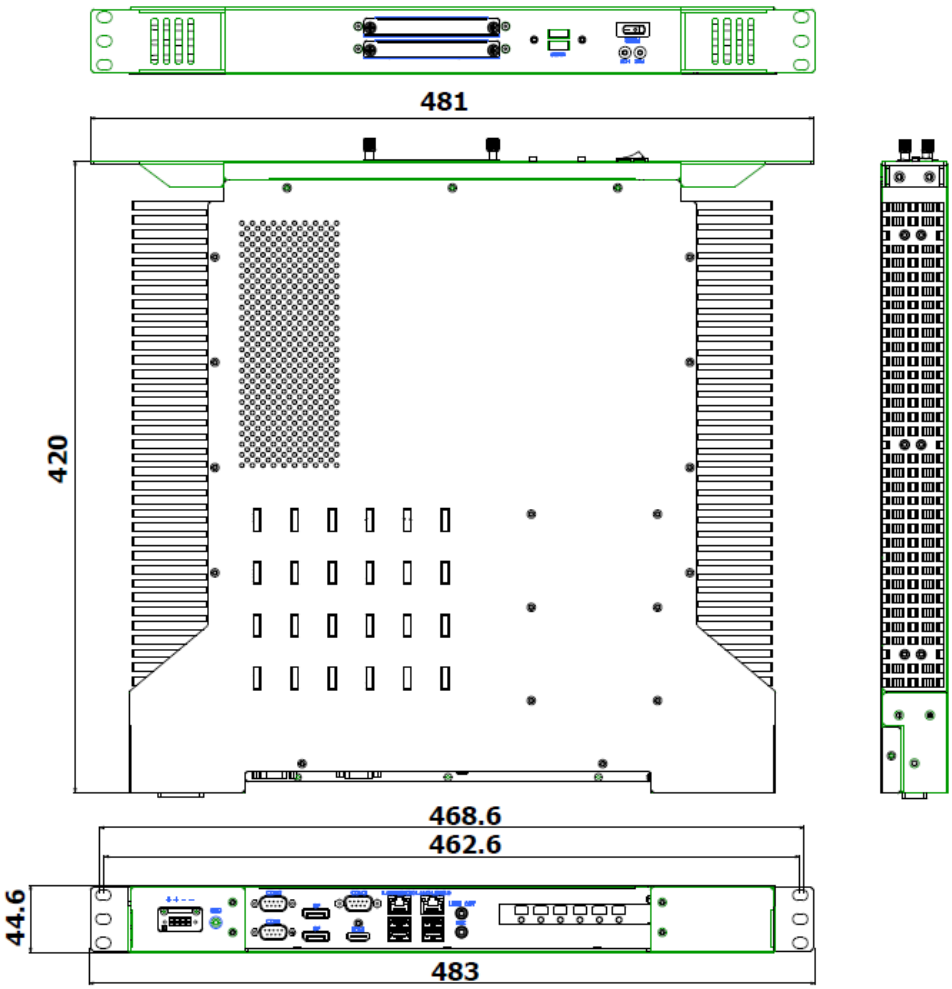
© Copyright PERFECTRON Co., Ltd. All Rights Reserved .

PERFECTRON

ROC249A , Intel® Skylake 1U fanless 19" rackmount with Intel® i7-6700TE Processor, graphic card build in supports up to 9 independent display output, 16.8V to 31.2V DC-in, extended temp. -20 ~ 50°C

Appearance

Dimension



© Copyright PERFECTRON Co., Ltd. All Rights Reserved .