



LAND



SEA



AIR

# ROG254A

MIL-STD-810G 19" RACKMOUNT FANLESS  
COMPUTER COMPUTER



## POWER AUTOMATION COMPUTER

- MIL-STD 810G Compliance
- Intel® Xeon® D-1541/D-1587 Processor
- Up to 128GB Registered ECC RDIMM DDR4-2400MHz
- 2 x Gigabit Ethernet, 1 x IPMI
- 1 x VGA , 6 x USB Ports
- 1 x PCIe 3.0 x16 Expansion Slot
- Extended Temperature -10 to 60 °C



# Specifications

## SYSTEM

High Performance Processor	Intel® Xeon® Processor D-1541/ <b>D-1587</b> (8 / 16 Core, 16 / 32 Thread Support, 12 <b>24</b> MB Smart Cache Build-in Turbo Boost Technology 2.0, VPro and Hyper-Threading support
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Memory type	Up to 128GB ECC RDIMM DDR4-2400MHz
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Chipset	System on Chip
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Expansion Slot	1 x PCI-E 3.0 x16
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## DISPLAY

VGA	Resolution up to 1920x 1200@60Hz
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## STORAGE

Storage Device	2 x 2.5" Solid State Disk (SSD) 64 / 128 / 256 / 512GB / 1TB / 2TB Innodisk 3MG2-P Series MLC SATA III 6Gb/s Flash SSD, Rated for 520 MB/sec Sequential Read ; 350 MB/sec Write Max
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## ETHERNET

Ethernet	1 x Intel I350-AM2 Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)
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## FRONT I/O

Button	1 x Power Button w/Indicator LED
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Indicator LED	1 x HDD LED
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USB Port	2 x USB2.0 standard-A connectors
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SSD Tray	2 x 2.5 SSD Easy Swap Tray
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## REAR I/O

Ethernet	2 x RJ45 Gigabit Ethernet LAN Interfaces 1 x IPMI LAN Interface
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VGA Port	1 x DB15 connector
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USB Port	2 x USB3.0 standard-A connectors 2 x USB2.0 standard-A connectors
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AC-IN	1 x IEC C14 Plug
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## POWER REQUIREMENT

Power Input	90V to 264V AC-in, 200W max
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## APPLICATIONS, OPERATING

Applications	Commercial and Military Platforms Requiring Compliance to MIL-STD-810G Embedded Computing, Process Control, Intelligent Automation and manufacturing applications where Harsh Temperature, Shock, Vibration, Altitude, Dust and EMI Conditions. Used in all aspects of the military
Operating System	Windows 10 64Bit, Windows Server 2008 R2, Windows Server 2012 R2 Ubuntu14.04, Fedora 20/23, RedHat Linux EL 7.1/7.2, Vmware ESXi 6.0, ESXi 6.5

## PHYSICAL

Dimension (W x D x H)	430 x 380 x 44.6mm
Weight	5.75kg(12.68lbs)
Chassis	SECC
Finish	Anodic aluminum oxide (Black)
Cooling	Natural Passive Convection/Conduction. No Moving Parts
Ingress Protection	Dust Proof (Similar to IP50)

## ENVIRONMENTAL

MIL-STD-810G Test	Method 507.5, Procedure II (Temperature & Humidity) Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock) Method 516.6 Shock-Procedure I Operating (Mechanical Shock) Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration) Method 514.6 Vibration Category 20/Operating (Category 20 & 24, Vibration) 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)
Operating Temperature	-10 to 60°C (ambient with 0.7m/s airflow)
Storage Temperature	-40 to 85°C
EMC	CE and FCC compliance

# Ordering Information

ROC254A

MIL-STD-810G 19" Rackmount Fanless Computer with Intel® Xeon® D-1541 Processor , 1 x VGA, 1 x IPMI , 2 x Gigabit Ethernet, 6 x USB Port

ROC254A-1

MIL-STD-810G 19" Rackmount Fanless Computer with Intel® Xeon® D-1587 Processor , 1 x VGA, 1 x IPMI , 2 x Gigabit Ethernet, 6 x USB Port

