



LAND



SEA



AIR

ROC250-017

MIL-STD-810 19" 1U SHORT DEPTH FANLESS
XEON SERVER



- MIL-STD 810 Compliance
- Short Depth 380mm
- Intel® Xeon® ICELAKE-D LCC D-1749NT Processor
- Up to 128GB RDIMM/64GB UDIMM,
2CH DDR4 2933MHz in 2 Slots
- 2 x 25Gigabit Ethernet, 2 x 10Gigabit Ethernet, 1 x IPMI
- 1 x VGA , 2 x USB 3.0 Ports
- 1 x PCIe 4.0 x8 Expansion Slot
- Extended Temperature -20 to 60 °C



Specifications

SYSTEM

High Performance Processor	Intel® Xeon® ICELAKE-D LCC Processor D-1749NT (Frequency 2.5GHz) 10-Core,20 Thread Support
Memory type	Up to 128GB RDIMM/64GB UDIMM, 2CH DDR4 2933MHz
Chipset	System on Chip
Expansion Slot	1 x PCI-E 4.0 x 8

DISPLAY

VGA	Resolution up to 1920x1200@60Hz
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STORAGE

Storage Device	4 x NVMe Gen 4.0
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ETHERNET

Ethernet	2 x Intel 25GbE SFP28 (SoC) 2 x 10GBase-T (Intel X550-AT2)
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FRONT I/O

Button	1 x Power Button w/Indicator LED
Indicator LED	1 x HDD LED
SSD Tray	4 x NVMe Gen 4.0

REAR I/O

Ethernet	2 x SFP28 25Gigabit Ethernet LAN Interfaces 2 x RJ45 10Gigabit Ethernet LAN Interfaces 1 x IPMI LAN Interface
VGA Port	1 x DB15 connector
USB Port	2 x USB3.0 standard-A connectors
AC-IN	1 x IEC C14 Plug

POWER REQUIREMENT

Power Input	AC100~240V MIL-STD-461 EMI 18~36V 300W DC 12V
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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 IP40)

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

ROC250-D17-10C-12V-4N

MIL-STD-810G 19" 1U Short Depth Fanless Server with Intel® Xeon® ICELAKE-D LCCD-1749NT Processor, 1 x VGA, 1 x IPMI , 2 x25 Gigabit Ethernet, 2 x10 Gigabit Ethernet, 2 x USB 3.0 Port, DC 12V, 4NVMe

ROC250-D17-10C-18V-2N

MIL-STD-810G 19" 1U Short Depth Fanless Server with Intel® Xeon® ICELAKE-D LCCD-1749NT Processor, 1 x VGA, 1 x IPMI , 2 x25 Gigabit Ethernet, 2 x10 Gigabit Ethernet, 2 x USB 3.0 Port, MIL-STD-461 EMI 18 ~36V, 2NVMe

ROC250-D17-10C-AC-2N

MIL-STD-810G 19" 1U Short Depth Fanless Server with Intel® Xeon® ICELAKE-D LCCD-1749NT Processor, 1 x VGA, 1 x IPMI , 2 x25 Gigabit Ethernet, 2 x10 Gigabit Ethernet, 2 x USB 3.0 Port, AC 100~240V, 2NVMe

ROC250-D17-8C-12V-4N

MIL-STD-810G 19" 1U Short Depth Fanless Server with Intel® Xeon® ICELAKE-D LCCD-1736NT Processor, 1 x VGA, 1 x IPMI , 2 x25 Gigabit Ethernet, 2 x10 Gigabit Ethernet, 2 x USB 3.0 Port, DC 12V, 4NVMe

ROC250-D17-8C-18V-2N

MIL-STD-810G 19" 1U Short Depth Fanless Server with Intel® Xeon® ICELAKE-D LCCD-1736NT Processor, 1 x VGA, 1 x IPMI , 2 x25 Gigabit Ethernet, 2 x10 Gigabit Ethernet, 2 x USB 3.0 Port, MIL-STD-461 EMI 18 ~36V, 2NVMe

ROC250-D17-8C-AC-2N

MIL-STD-810G 19" 1U Short Depth Fanless Server with Intel® Xeon® ICELAKE-D LCCD-1736NT Processor, 1 x VGA, 1 x IPMI , 2 x25 Gigabit Ethernet, 2 x10 Gigabit Ethernet, 2 x USB 3.0 Port, AC 100~240V, 2NVMe

ROC250-D17-4C-12V-4N

MIL-STD-810G 19" 1U Short Depth Fanless Server with Intel® Xeon® ICELAKE-D LCCD-1718T Processor, 1 x VGA, 1 x IPMI , 2 x25 Gigabit Ethernet, 2 x10 Gigabit Ethernet, 2 x USB 3.0 Port, DC 12V, 4NVMe

ROC250-D17-4C-18V-2N

MIL-STD-810G 19" 1U Short Depth Fanless Server with Intel® Xeon® ICELAKE-D LCCD-1718T Processor, 1 x VGA, 1 x IPMI , 2 x25 Gigabit Ethernet, 2 x10 Gigabit Ethernet, 2 x USB 3.0 Port, MIL-STD-461 EMI 18 ~36V, 2NVMe

ROC250-D17-4C-AC-2N

MIL-STD-810G 19" 1U Short Depth Fanless Server with Intel® Xeon® ICELAKE-D LCCD-1718T Processor, 1 x VGA, 1 x IPMI, 2 x25 Gigabit Ethernet, 2 x10 Gigabit Ethernet, 2 x USB 3.0 Port, AC 100~240V, 2NVMe

Dimension

