STACKRACK

SR100-X3

MIL-STD Rugged Fanless Computer

MIL-STD 810G

- Extended Temp Support -40~+70 Degree
- MIL-STD Vibration, Shock Toler ant
- Intel i7-7820EQ (4x Cores, 3.7 Ghz)
- 9V~36V DC Input Intel Core™ i7-6822EQ Processor

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Specifications

System	
High Power Processor	Core i7-7820EQ, 8M Cache (45W)
Memory type	DDR4 Up to 32GB SO-DIMM
Chipset	QM175 PCH
Expansion Slot	1 x Full-size mPCIe/mSATA w/SIM card slot 1 x Half-size mPCIe 1 x FPE connector 1 x StackPC connector
BIOS	AMI® UEFI BIOS
Display	
DisplayPort	2, Max resolution up to 3840 x 2160
DVI-D	1, Max resolution up to 2048 x 1536
LVDS	Dual channel 24bit LVDS
Storage	
mSATA	512 GB
Ethernet	
Chipset	1 x Intel I210-IT & 1 x I 219-LM GbE
WOL	Yes
Front I/O	
Power Button	1
DC-IN	4P Rugged Terminal connector
USB Port	2 x USB 3.0
Indicator LED	Power, HDD, LAN (Link/Active/Speed)
Rear I/O	
DisplayPort	2
DVI-D	1
Ethernet	2 x RJ45
COM Port	1 x RS232/422/485 with 5V/12V selectable

USB Port	2 x USB 3.0
Audio	1 x MIC, 1 x Line out
Applications, Operating System	
Applications	Commercial and Military Platforms Requiring Compliance to MIL-STD-810G Embedded Computing, Process Control, Intelligent Automation and manufactur-ing applications where Harsh Temperature, Shock, Vibration, Altitude, Dust and EMI Conditions. Used in all aspects of the military.
Operating System	Win 7 32/64Bit, Win 8 32/64Bit, Win 8.1 32/64Bit, Win 10 32/64Bit Ubuntu13.04, Ubuntu13.10, Ubuntu14.04, Fedora 20
Physical	
Dimension (W x D x H)	250 x 149 x 76mm
Weight	3.6 Kg (7.94 lbs)
Chassis	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide (Color Iron gray)
Cooling	Natural Passive Convection/Conduction. No Moving Parts.
Ingress Protection	Dust Proof (Similar to IP50)
Environmental	
MIL-STD-810G	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)
Reliability	No Moving Parts; Passive Cooling. Designed & Manufactured using ISO 9001/2000 Certified Quality Program.
EMC	CE and FCC compliance
Green Product	RoHS, WEEE compliance

Ordering Information

SR100-X3

MIL-STD-810G Rugged Computer with Intel® Core™ i7- 7820EQ, 9V to 36V DC-in, Mini PCIe, Extended Temp. -40~70°C

Dimension