

SR10A-V3 SR10A-N3

MIL-STD RUGGED FANLESS COMPUTER



- EXTENDED TEMP SUPPORT -40~+70 DEGREE
- MIL-STD VIBRATION, SHOCK TOLERANT
- INTEL I7-7820EQ (4X CORES, 3.7 GHZ)
- 9V~36V DC INPUT INTEL CORE™ I7-6822EQ PROCESSOR

Specifications

SYSTEM

High Power Processor	Core i7-7820EQ, 8M Cache (45W)
Memory type	DDR4 Up to 32GB SO-DIMM
Chipset	QM175 PCH

DISPLAY

DisplayPort	2 x 20Pin DP connector (Female)
DVI-I	1 x 29Pin DVI-I connector (Female)

AUDIO

Codec	Realtek ALC887 High Defintion Audio Codec
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ETHERNET

Chipset	2 x RJ45 Intel® I210IT & i217LM GbE
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FRONT I/O

Power Button	1
LED	Power, HDD, LAN
USB Port	2 x USB 3.0
Power input	1 x Terminal Block

REAR I/O

DisplayPort	2 x 20Pin DP Connector (Female)
DVI-I	1 x 29Pin DVI-I connector (Female)
Ethernet	2 x RJ45
Audio	Mic in, Line-out
Com	1 x RS232/422/485 port (DB9 male)
USB	2 x USB3.0

EXPANSION

PCI	1 x mini PCIe
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MECHANICAL AND ENVIRONMENT

Power Requirement	9V~36V DC-in, AT/ATX mode with power delay on/off
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Dimension	255x149 x69 mm
Weight	4.11 Kg(9.04 lbs)
Operating Temp.	-40°C ~ 60°C (ambient with airflow).
Cooling	Natural Passive Convection/Conduction. No Moving Parts.
Storage Temp.	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing

CERTIFICATIONS

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

SR10A-X3 Intel® QM175 MIL-STD Fanless Rugged Vibration Proof System with Intel® Core™ i7 KaBylake Processor, mPCIe expansion 9V to 36V DC-in, Wide Temp. -40 ~ 60°C

Dimension

