



LAND



SEA



AIR



SR10A-X3

MIL-STD Rugged Fanless Computer



- Extended Temp Support -40~60°C
- MIL-STD Vibration, Shock Tolerant
- Intel i7-7820EQ(4 x Cores,3.7 Ghz)
- 9V~36V DC-IN



SR10A-X3 Intel® Kabylake Rugged System

Specifications

System	
CPU	Core i7-7820EQ, 8M Cache (45W)
Memory type	DDR4 Up to 32GB SO-DIMM
Chipset	QM175
Display	
Display Port	2 x 20Pin DP connector (Female)
DVI-I	1 x 29Pin DVI-I connector (Female)
Audio	
Codec	Realtek ALC887 High Defintion Audio Codec
Ethernet	
Chipset	2 x RJ45 Intel® I210IT & i217LM GbE
Front I/O	
Button	1 x Power
LED	Power, HDD, LAN
USB	2 x USB 3.0
Power input	1 x Terminal Block
Rear I/O	
Display Port	2 x 20Pin DP Connector (Female)
DVI-I	1 x 29Pin DVI-I connector (Female)
Ethernet	2 x RJ45 ports
Audio	Mic in, Line-out
Com	1 x RS232/422/485 port (DB9 male)
USB	2 x USB3.0



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Expansion			
PCI	1 x mini PCIe		
Mechanical and Environment			
STORAGE	1 x mSATA		
Mechanical and Environment			
Power Requirement	9V~36V DC-in, AT/ATX mode with power delay on/off		
Dimension	255x149 x69 mm		
Weight	4.11 Kg(9.04 lbs)		
Operating Temp.	-40°C ~ 60°C (ambient with airflow).		
Storage Temp.	-40 to 85°C		
Relative Humidity	5% to 95%, non-condensing		
Certifications			
MIL-STD-810G Test	Operating Tests		
	Low Temperature	Method 502.4 Procedure 2	-20°C (Cold Boot) -40°C (Continue Operating)
	High Temperature	Method 501.4 Procedure 2	+55°C
	Humidity	Method 507.4	5 x 48 hour cycles
	Vibration	Method 514.5 Category 4	10—500Hz 1.04Grms
	Shock	Method 516.5	40G 11mSec TPS 3 axis
	Altitude	Method 500.5 Procedure 2	-1,000m to +12,000m
	Non-Operating Tests		
	Shock	Method 516.5	40G 11ms TPS 3 axis
	Low Temperature	Method 501.4	-40°C
	Storage		

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High Temperature Storage	Method 502.4 Procedure 1	+75°C
Vibration	Method 514.5 Category 24 fig 514.5C-17	20 to 1000Hz @ 0.02g ² /Hz falling @ -6dB to 2000Hz
Altitude	Method 500.5 Procedure 2	-1,000m to +12,000m
EMC	CE and FCC compliance	
Green Product	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

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Dimension

