SR10-SCHX2

MIL-STD-810 G Rugged Computer

Power Automation Computer

- Design for reliability under demanding MIL-STD-810G Thermal conditions
- 6th Gen Intel®Core™ i7 Skylake processor (BGA)
- Memory Up to DDR4 32GB
- Onboard uSSD SATAIII 64 GB
- Multi-Displays by 2 x DP, 1 x DVI-I
- 4 x USB 3.0, 1 x COM (RS232/422/485)
- 1 x Line-out / MIC-in

Specifications

System	
High Performance Processor	Intel® 6th Gen Core™ i7-6820 EQ (Frequency 2.8 GHz, Turbo Boost up to 3.5 GHz), Quad-Core, 8 Thread Support,8MB SmartCache. Build-in HD Graphics 530 for excellent 3D, Turbo Boost Technology 2.0, VPro and Hyper-Threading support
Memory type	1 x DDR4 XR-DIMM 1 X DDR4 SO-DIMM Total up to 32 GB
Chipset	Intel® QM170 Chipset supporting 6th generation Intel® Core™ processor families.
Display	
Display Port	Resolution up to 3840 x 2160
DVI-I	Resolution up to 1920 x 1200
Storage	
mSATA	mSATA Solid State Disk (SSD) - up to 512GB Capacity.
Onboard SSD	Onboard uSSD 64GB
Rear I/O	
Display Port	2 x 20Pin External connectors (Female)
DVI-I	1 x 29Pin DVI-I connector (Female)
Ethernet	2 x RJ45 Gigabit Ethernet LAN 'FNBMF
Audio	2 x 3.5mm Audio Jacks (1 x MIC, 1 x Line-Out)
Serial Port	1 x DB9 connector (RS-232/422/485)
USB Port	2 x USB3.0 standard-A connectors
DC-IN	1 x4 Pin rugged terminal block
Front I/O	
Button	Power Button w/cover
Indicator LED	Power, HDD, LAN (Link/Active/Speed)
USB Port	2 x USB3.0 standard-A connectors
Applications, Operating System	
Applications	Energy/Smart Grid/Power Plant Management, Intelligent Automation and

	manufacturing applications
Operating System	Windows 8, Windows 8.1, Windows 10,Ubuntu14.04,Ubuntu16.04
PHYSICAL	
Dimension (W x D x H)	308 x 149 x 58mm
Weight	2.96Kg
Chassis	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide (Color Iron gray)
Cooling	Natural Passive Convection/Conduction. No Moving Parts
Relative Humidity	5% to 95% non-condensing
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	-40 to 60°C (ambient with airflow)
Storage Temperature	-40 to 85°C
EMC	CE and FCC compliance
Green Product	RoHS, WEEE compliance

Ordering Information

SR10-SCHX2
MIL-STD-810G Rugged computer with
Intel® Core™ i7-6820EQ, µSSD 64GB onboard,
9V to 36V DC-in, Extended Temp. -40~60°C