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SR200-X2

Intel® 6th Gen. Skylake® Core™ i7-6820EQ nVidia GTX950M GPUMIL-STD Fanless Rugged System

- MIL-STD 810G Compliance
- 6th Generation Intel® Core™ i7-6820EQ Skylake Processor
- Up to 32GB DDR4 RAM
- Onboard uSSD SATAIII up to 64 GB
- nVidia GTX950M Independent Displays by 2 x DP
- 2 x mPCIe expansion slot (One Co-Layout with mSATA)
- 2 x Intel® Gigabit Ethernet
- 4 x USB 3.0, 1 x COM port
- 9V to 36V DC-in
- Extended Temperature -40~+60°C

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Specifications

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High Performance Processor	Intel® 6th Gen Core™ i7-6820EQ (Frequency 2.8GHz, Turbo Boost Frequency up to 3.5GHz), 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	Up to 32GB DDR4 RAM
Chipset	Intel® QM170 Chipset providing integrated USB 3.0 and supporting 6th generation Intel® Core™ processor families
Expansion Slot	1 x Full-size mPCIe (w/ SIM card and mSATA supported) 1 x Half-size mPCIe
Display	
GPU	NVIDIA GTX950M
Display Port	Resolution up to 3840 x 2160@60Hz
DVI-I	Resolution up to 1920 x 1200@60Hz
Storage	
uSSD	Onboard uSSD SATAIII up to 64 GB
mSATA	mSATA Solid State Disk (SSD) - up to 512GB Capacity. Rugged Industrial NAND Flash mSATA Storage w/ Rugged -40/+85C High Capacity, optional Pre-loaded with Linux or Windows OS. 64 / 128 / 256 / 512GB Innodisk 3MG2-P Series MLC SATA III 6Gb/s Flash SSD, Rated for 520 MB/sec Sequential Read ; 350 MB/sec Write Max.
Ethernet	
Ethernet	2 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)
Rear I/O	
DisplayPort	2 x 20Pin DisplayPort connectors (Female)
DVI-I	1 x 29Pin DVI-I connector (Female)
Ethernet	2 x RJ45 Gigabit Ethernet LAN Interfaces
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
Front I/O	
Button	1 x Power Button
DC-IN	4P Rugged Terminal connector
Indicator LED	Power, HDD, LAN (Link/Active/Speed)
USB Port	2 x USB3.0 standard-A connectors
DisplayPort	2 x 20Pin DisplayPort connectors (Female)

Applications, Operating System	
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 Ubuntu13.04, Ubuntu13.10, Ubuntu14.04, Fedora 20
Physical	
Dimension (W x D x H)	TBD
Weight	TBD
Chassis	Aluminum Alloy, Corrosion Resistant.
Finish	Anodic aluminum oxide (Color Iron gray)
Cooling	Natural Passive Convection/Conduction. No Moving Parts
Connectors	DC-IN : PHOENIX CONTACT 1776715 RJ45 Ethernet : RTB-19GB9J1A DVI-I : BANGSON DVI02-0123001-T DisplayPort : FOXCONN 3VD21203-H7U0-4 Audio : WTJ-035-67S1A01/ WTJ-035-67S1A02
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 air flow)
Storage Temperature	-40 to 85°C
EMC	CE and FCC compliance

Ordering Information

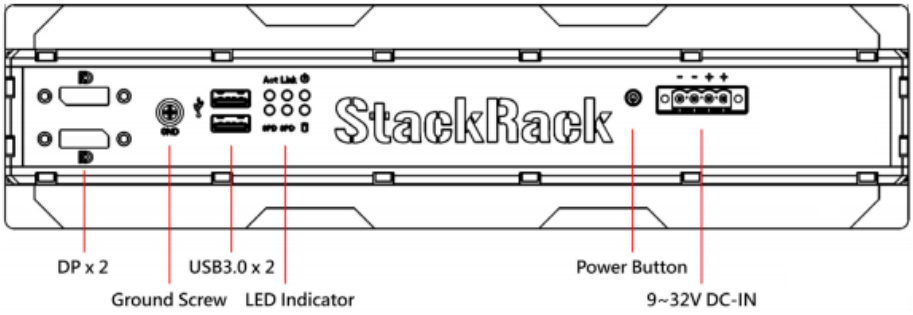
SR200-X2

MIL-STD-810G Rugged Computer with Intel® Core i7- 6820EQ, NVIDIA GTX950M GPU, 4 Independent DP, Mini PCIe, 9V to 36V DC-in, Extended Temp -40 to 60°C

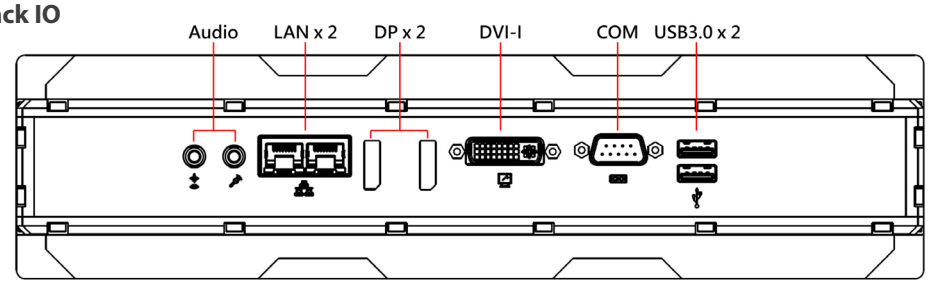
SR200-X2, EBX rugged system is a powerful system that is driven by Intel® 6th generation Skylake CPU and chipset soldering onboard, integrated with Nvidia GPU GTX950M that supports 2 independent DisplayPort. Processor i7- 6820EQ plus Intel® QM170 chipset supports clock speed 2.8GHz, up to 3.5GHz. Quad cores, turbo up to 8 cores to cope with enormous data computing.

Appearance

Front IO



Back IO



Dimensions