

SR700-X3

MIL-STD-810G IP65

RUGGED COMPUTER

7TH GENERATION INTEL® CORE™ I7 PROCESSOR,
M12-TYPE CONNECTORS, 9V TO 36V DC-IN,
EXTENDED TEMP. -20~60°C



- DESIGN FOR RELIABILITY UNDER DEMANDING MIL-STD-810G THERMAL, SHOCK, VIBRATION, HUMIDITY/EMI/EMC CONDITIONS
- HEAVY-DUTY FULLY IP65 RUGGED ALUMINUM CHASSIS WITH M12 CONNECTORS
- 7TH GEN INTEL® CORE™ I7 PROCESSOR
- UP TO 32GB DDR4 SDRAM
- 1 X MSATA/ 1 X M.2 (2280) FOR SOLID-STATE DRIVES
- 1 X VGA, 2 X GIGABIT ETHERNET, 2 X USB, 2 X COM
- 9V~36V DC-IN
- EXTENDED TEMPERATURE -20 TO 60°C

SPECIFICATIONS

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High Performance Processor	SR700-X3-7820: Intel® 7th Gen Core™ i7-7820EQ (Frequency 3.0GHz, Turbo Boost Frequency up to 3.7GHz), Quad-Core, 8 Thread Support, 8MB SmartCache. Build-in HD Graphics 630 for excellent 3D, Turbo Boost Technology 2.0, VPro and Hyper-Threading support.
Memory	Up to 32GB DDR4 SDRAM
Chipset	Intel® QM170/QM175 Chipset providing integrated USB 3.0 and supporting 7th generation Intel® Core™ processor families
Expansion Slot	1 x Full-size mPCIe (w/ SIM card supported) 1 x Full-size mPCIe (w/ mSATA supported) 1 x M.2 (M-Key), 2280 storage devices support (SATA)
DISPLAY	
VGA	Intel® HD Graphics 530/630 Optional : nVidia GeForce® MXM graphics Resolution up to 1920x1200@60Hz or 2048x1152@60Hz with reduced blanking
STORAGE	
mSATA	1 x Full-size mPCIe up to 512GB
M.2	1 x M.2 (M-Key), 2280 storage devices support up to 1TB Capacity.
ETHERNET	
Ethernet	2 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)
I/O INTERFACE	
VGA	1 x Rugged M12 connector
USB	1 x Rugged M12 connector (2 x USB 2.0 Ports)
Serial Port	1 x Rugged M12 connector (1 x RS-232, 1 x RS-485)
Ethernet	2 x Rugged M12 connectors
DC-IN	1 x Rugged M12 connector

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 32/64Bit Ubuntu13.04, Ubuntu13.10, Ubuntu14.04, Fedora 20

PHYSICAL

Dimension (W x D x H)	350 x 230 x 86 mm
Weight	8.6 Kg (18.9 lbs)
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 1424136 Ethernet : Phoenix Contact 1424177 VGA : Phoenix Contact 1441833 USB : Phoenix Contact 1424177 COM : Phoenix Contact 1441833
Ingress Protection	IP65

ENVIRONMENTAL

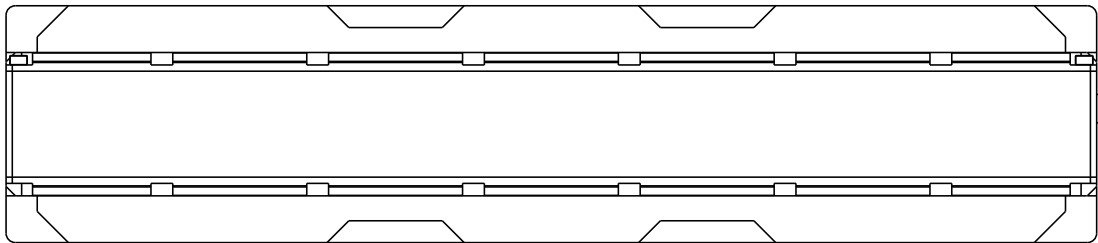
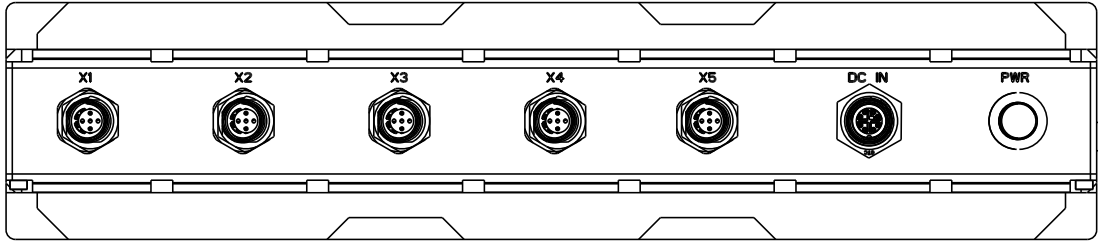
MIL-STD-810G Test	Method 507.5, Procedure II (Temperature & Humidity) Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock) Method 516.6 Shock-Procedure I Operating (Mechanical Shock) Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration) Method 514.6 Vibration Category 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)
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

SR700-X3-7820

**IP65 MIL-STD-810G RUGGED COMPUTER WITH 7TH GENERATION INTEL®
CORE I7- 7820EQ, 9V TO 36V DC-IN, EXTENDED TEMP -20 TO 60°C**

APPEARANCE



DIMENSIONS

