



LAND



SEA



AIR

SR700-X3

MIL-STD-810G IP65 RUGGED
COMPUTER COMPUTER



POWER AUTOMATION COMPUTER

- MIL-STD810G Thermal, shock, vibration, humidity/EMI/EMC conditions
- Chassis with M12 connectors
- 7th Gen Intel® Core™ i7 processor
- Up to 32Gb DDR4 SDRAM



Specifications

SYSTEM

High Power Processor	i7-7820EQ 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.
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Memory type	Up to 32GB DDR4 SDRAM
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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)
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DISPLAY

VGA	Intel® HD Graphics 530/630 Optional : NVidia® GTX1050 MXM graphics (NVIDIA 1050Ti CUDA 768 GDDR5-4GB/GTX 1650 CUDA896 GDDR5-4GB/GTX 1660S CUDA1408 GDDR6-6GB) Resolution up to 1920x1200@60Hz or 2048x1152@60Hz with reduced blanking
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STORAGE

mSATA	1 x Full-size mPCIe up to 512 GB
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M.2	Up to 1TB
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Ethernet	2 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)
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FRONT I/O

VGA	1 x Rugged M12 connector
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USB	1 x Rugged M12 connector (2 x USB 2.0 Ports)
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Serial Port	1 x Rugged M12 connector (1 x RS-232, 1 x RS-485)
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Ethernet	2 x Rugged M12 connectors
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DC-IN	1 x Rugged M12 connector
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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,
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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
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PHYSICAL

Dimension	350 x 230 x 86 mm
Weight	8.6 Kg (18.9 lbs)
Chassis	SECC
Heatsink	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

MECHANICAL AND ENVIRONMENT

Reliability	No Moving Parts; Passive Cooling. Designed & Manufactured using ISO 9001/2000 Certified Quality Program.
Operating Temp	-40°C to 60°C
Storage Temp.	-40°C to 85°C

TEST STANDARD

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)
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Method 503.5, Procedure I (Temperature shock)

EMC CE and FCC compliance

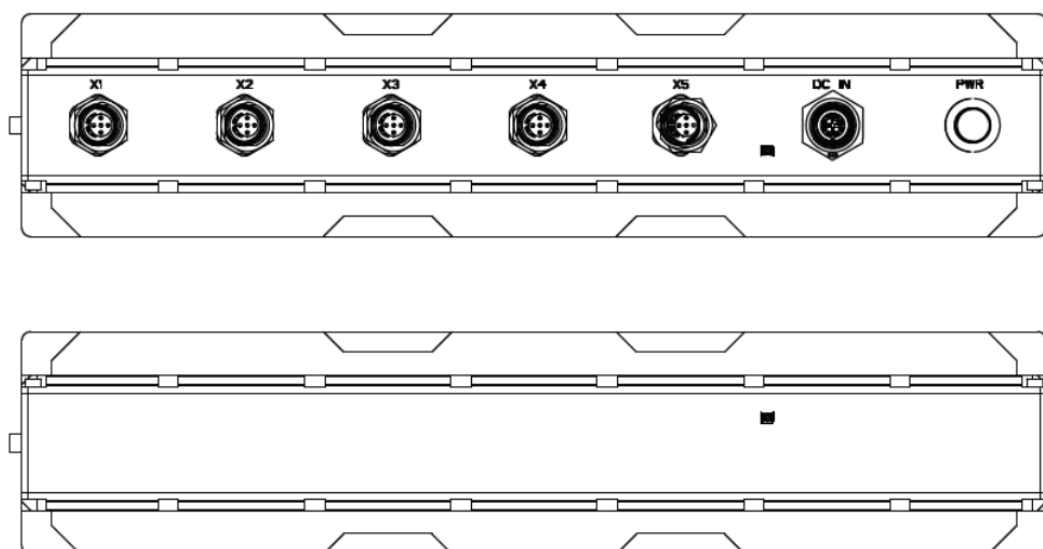
Green Product RoHS, WEEE compliance

Ordering Information

SR700-X3

IP65 MIL-STD-810G Rugged Computer with Intel® Core™ i7-7820EQ Processor , 9V to 36V DC-in, Extended Temp -20 to 60°C

Appearance



Dimensions

