

SR700-X2

MIL-STD-810G IP65

RUGGED COMPUTER

6TH/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
- 6TH/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

| SPECIFICATIONS | |
|----------------------------|---|
| High Performance Processor | <p>SR700-X2-6820: 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.</p> <p>SR700-X2-7820: 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.</p> |
| Memory | Up to 32GB DDR4 SDRAM |
| Chipset | Intel® QM170/QM175 Chipset providing integrated USB 3.0 and supporting 6th/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

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|-----------------------|--|
| 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

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| 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 |

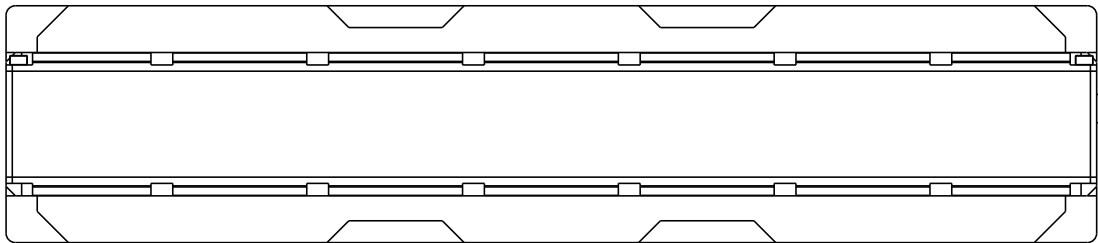
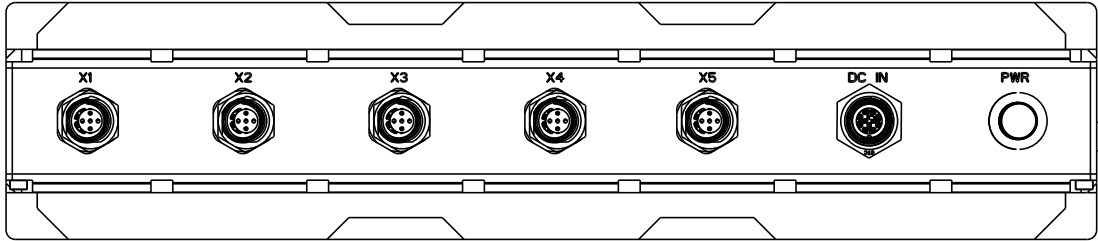
ORDERING INFORMATION
SR700-X2-6820

**IP65 MIL-STD-810G RUGGED COMPUTER WITH 6TH GENERATION INTEL®
CORE I7- 6820EQ, 9V TO 36V DC-IN, EXTENDED TEMP -20 TO 60°C**

SR700-X2-7820

**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

