



LAND



SEA



AIR

# SR700

MIL-STD-810G IP65 RUGGED  
COMPUTER COMPUTER



- MIL-STD810G Thermal, shock, vibration, humidity/EMI/EMC conditions
- Chassis with M12 connectors
- 4<sup>th</sup> Gen Intel® Core™ i7 processor
- DDR3L XR-DIMM Up to 8GB
- Onboard uSSD SATAIII up to 64 GB

# Specifications

## SYSTEM

High Power Processor	Intel® 4th Gen Core™ i7-4700EQ (Frequency 2.4GHz, Turbo Boost Frequency up to 3.4GHz), Quad-Core, 8 Thread Support, 6MB SmartCache. Build-in HD Graphics 4600 for excellent 3D, Turbo Boost Technology 2.0, VPro and Hyper-Threading support.
Memory type	1 x DDR3L XR-DIMM™ up to 8GB
Chipset	Intel® QM87 Chipset providing integrated USB 3.0 and supporting 4th generation Intel® Core™ processor families
Expansion Slot	1 x Full-size mPCIe with SIM card holder 1 x Full-size mPCIe/mSATA 1 x StackPC-FPE

## DISPLAY

VGA	Resolution up to 2048x1536
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## ETHERNET

Ethernet	2 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)
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## FRONT I/O

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	Win 7 32/64Bit, Win 8 32/64Bit, Win 8.1 32/64Bit, Win 10 32/64Bit Ubuntu13.04, Ubuntu13.10, Ubuntu14.04, Fedora 20

## PHYSICAL

Dimension	350 x 230 x 76 mm
Weight	8.6 Kg (18.9 lbs)
Chassis	Aluminum Alloy, Corrosion Resistant.
Cooling	Natural Passive Convection/Conduction. No Moving Parts.
Finish	Anodic aluminum oxide (Color Iron gray)
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-810 G	Operating Tests	
	Low Temperature	Method 502.5 Procedure 2 Low temperature: exposure (24h x 3 cycle) at -40°C min.
	High Temperature	Method 501.5 Procedure 2 Method 501.5, Procedure II, 60°C for 2 hours after temperature stabilization.
	Humidity	Method 507.5 Procedure 2 RH -95%. Test cycles: ten 24-hours , functional test after 5th and 10th cycles
	Vibration	Method 514.6 Category 20 10—500Hz 1.04Grms Test duration: 1 hours x 3 axis (total 3 hours)
	Shock	Method 516.6 Procedure 1 20G, 11mSec, 3 per axis
	Non-Operating Tests	
	Low Temperature Storage	Method 502.5 Low temperature: exposure(24h x 7 cycle) at -40°C min.
	High Temperature Storage	Method 501.5 Procedure 1 Method 501.5, Procedure I, 71°C for 2 hours after temperature stabilization.

Vibration	Method 514.6	200 to 2000Hz
	Category 24	Test duration: One hour per axis; rms = 7.7 gs

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Shock	Method 516.6	40G, 11ms, 3 pluse.
	Procedure V	

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Reliability	No Moving Parts; Passive Cooling. Designed & Manufactured using ISO 9001/2000 Certified Quality Program.
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EMC	CE and FCC compliance
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Green	RoHS, WEEE compliance
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Product

## Ordering Information

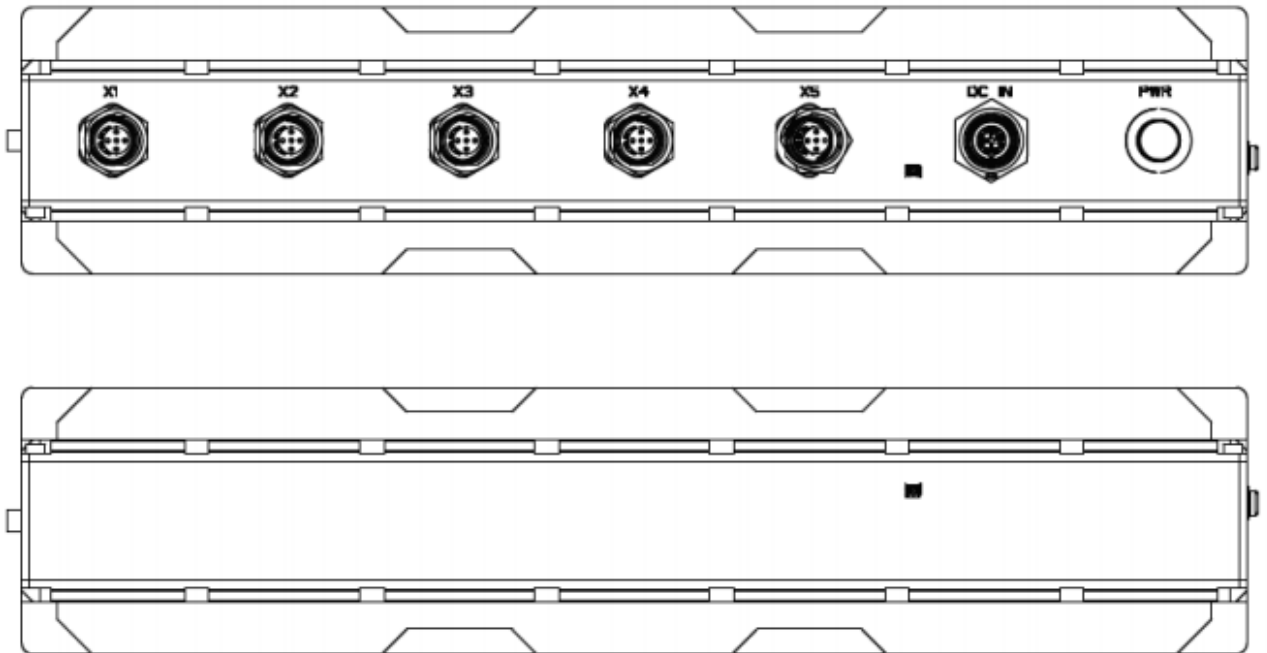
SR700-ET

IP65 MIL-STD-810G Rugged Computer with Intel® Core i7- 4700EQ, 9V to 36V DC-in, Extended Temp -20 to 60°C

SR700-UT

IP65 MIL-STD-810G Rugged Computer with Intel® Core i7- 4700EQ, 9V to 36V DC-in, Extended Temp -40 to 70°C

## Drawing



## Dimension

