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4,654,520	8,078,511
8,901,705	4,346,501
6,805,210	6,688,570



SRIUM

**MIL-STD-810G RUGGED
COMPUTER WITH M12 RUGGED
CONNECTOR**



- 4th Gen Intel®Core™ i7 Haswell processor (BGA)
- DDR3 Up to 8GB XR-DIMM
- Onboard uSSD SATAIII up to 64 GB
- Multi-Displays by 2 x DP, 1 x DVI-I
- 2 x RJ45 , 2 x Rugged M12 Intel® Giga bit Ethernet
- 4 x USB 3.0, 1 x COM (RS232/422/485)
- 1 x Line-out / MIC-in
- 9V~36V DC-in
- Extended Temperature -40 to 70 °C

Specifications

SYSTEM

CPU	Intel® 4th Gen Core™ i7-4700EQ (Frequency 2.4GHz, Turbo Boost 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 SAMTEC XR-DIMM™ Rugged Memory connector (BTH-120-01-L-D-A) with Swissbit® DDR3 1600MHz 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 miniPCIe (ACES 88911-5204M) co-lay with mSATA, 1 x Onboard SIM Card slot (ASTRON 5190006-007-R) for 3.5G connectivity 1 x FPE connector (SAMTEC SEAF-20-06.0-L-10-2-A-K-TR) 1 x StackPC connector (SAMTEC ASP-129637-03)

DISPLAY

Display Port	Resolution up to 3840 x 2160@60Hz
DVI-I	Resolution up to 1920 x 1200@60Hz

STORAGE

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.
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ETHERNET

Ethernet	4 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps) (2 x Rugged M12 connectors, 2 x RJ45 connectors)
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REAR I/O

Display Port	2 x 20Pin External connectors (Female)
DVI-I	1 x 29Pin DVI-I connector (Female)
Ethernet	2 x Rugged M12 connectors, 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

DC-IN	1 x Rugged M12 connector
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FRONT I/O

Button	Power Button w/cover
Indicator LED	Power, HDD, LAN (Link/Active/Speed)
USB Port	2 x USB3.0 standard-A connectors

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 7 , Windows 8 , Windows 8.1 , Windows 10 Ubuntu13.04, Ubuntu13.10, Ubuntu14.04, Fedora 20

PHYSICAL

Dimension (W x D x H)	308 x 189 x 58 mm
Weight	2.98 Kg (6.57 lbs)
Chassis	Aluminum Alloy, Corrosion Resistant.
Finish	Anodic aluminum oxide (Color Iron gray)
Cooling	Natural Passive Convection/Conduction. No Moving Parts.
Connectors	DC-IN : Amphenol M12S-04BFFB-SL7002 M12 Ethernet : GTC GT234112-11080 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)
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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

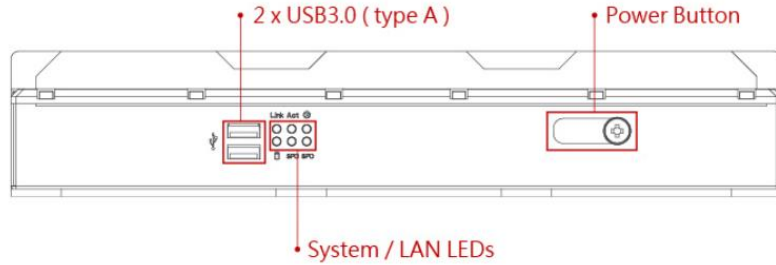
Ordering Information

SR10M

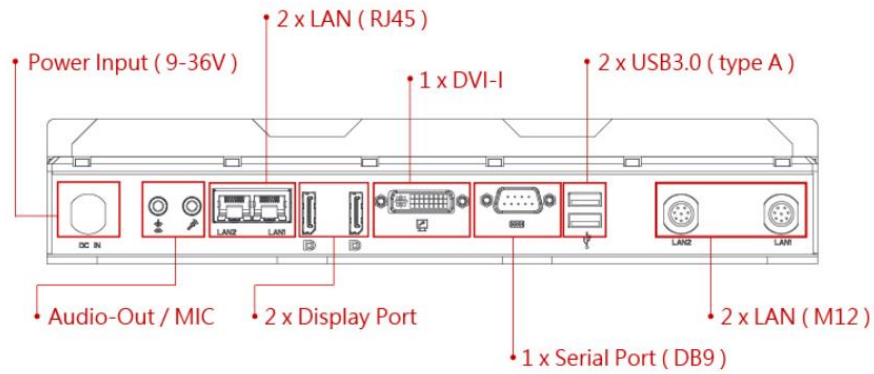
MIL-STD-810G Rugged computer with Intel® Core™ i7, Haswell Processor, µSSD 64GB onboard, 9V to 36V DC-in, Extended Temp. -40~70°C

Appearance

Front Side



Back Side



Dimensions

