



LAND



SEA



AIR

SR700-X4

MIL-STD-810G IP65 Rugged Computer



Power Automation Computer

- MIL-STD810G Thermal, shock, vibration, Humidity / EMI / EMC conditions
- Chassis with M12 or D38999 connectors
- 9th / 8th Gen Intel® Xeon® / Core™ processor with up to 6 cores and 45W/25W TDP
- 2 x DDR4 2666 MHz SODIMM up to 64GB
- 2 x Full size (PCIe x1 & USB 2.0) M.2 2230 E key (Wifi / BT)



Specifications

System

High Power Processor	Core i7-9850HE (6 Cores/12 Threads, 9M Cache, up to 4.40 GHz), 45W Core i7-9850HL (6 Cores/12 Threads, 9M Cache, up to 4.10 GHz), 25W Xeon E-2276ME (6 Cores/12 Threads, 12M Cache, up to 4.50 GHz), 45W Xeon E-2276ML (6 Cores/12 Threads, 12M Cache, up to 4.20 GHz), 25W Core i5-8400H (4 Cores/8 Threads, 8M Cache, up to 4.20 GHz), 45W Core i3-9100HL (4 Cores/4 Threads, 6M Cache, up to 2.90 GHz), 25W
Chipset	CM246
memory type	2 x DDR4 2666 MHz SODIMM up to 64GB (horizontal type)
Graphic	Intel® UHD Graphics 630 Optional : NVidia® GTX1050 MXM graphics (NVIDIA 1050Ti CUDA 768 GDDR5-4GB/GTX 1650 CUDA896 GDDR5-4GB/GTX 1660S CUDA1408 GDDR6-6GB)
Ethernet	I219LM +3 x I210iT
Audio codec	ALC887
Power Type	9V~36V DC IN
Storage	2 x SSD

Expansion slot

M.2	1 x M.2 (M-key, type:2280, SATA/PCIe 3.0x4 NVMe)
Mini-PCI	2 x Full size (PCIe x1,USB 2.0 and micro SIM Card)

FRONT I/O

DVI-D	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
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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	IP65 Waterproof connectors
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) Method 503.5, Procedure I (Temperature shock)
EMC	CE and FCC compliance
Green Product	RoHS, WEEE compliance

Ordering Information

SR700-X4

Xeon E-2276ML, DDR4-4GB, 128GB SSD, NVIDIA GTX1050Ti ,9V~36V (M12)

SR700-X4E

Xeon E-2276ML, DDR4-4GB, 128GB SSD, NVIDIA GTX1050Ti,9V~36V, MIL-461/1275 (M12)

SR700-X4ED

Xeon E-2276ML, DDR4-4GB, 128GB SSD, NVIDIA RTX3000 ,9V~36V MIL-461/1275 (DTL38999)

SR700-X4EDi

i7-9850HL, DDR4-4GB, 128GB SSD, NVIDIA RTX3000 ,9V~36V MIL-461/1275 (DTL38999)

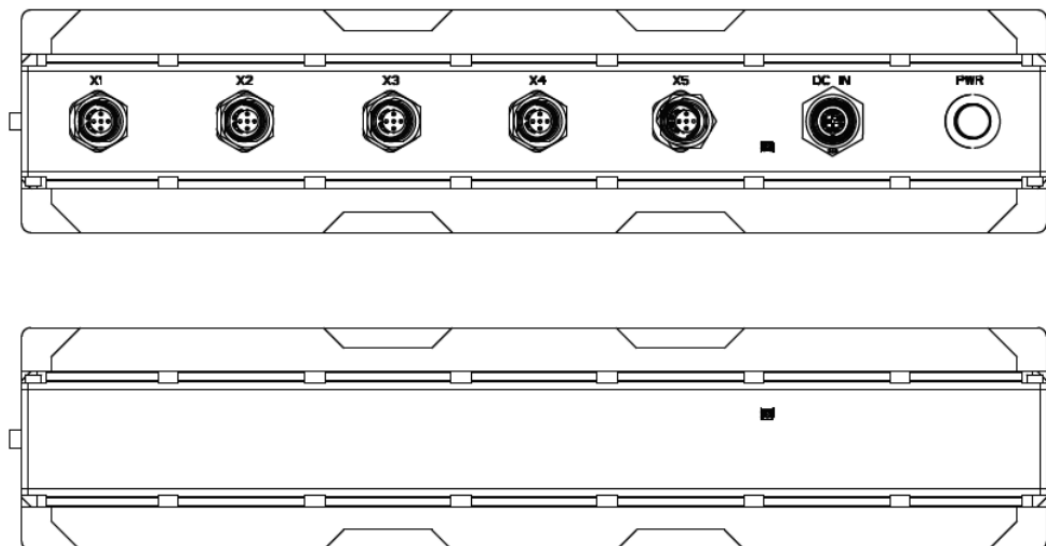
SR700-X4Ei

i7-9850HL, DDR4-4GB, 128GB SSD, NVIDIA GTX1050Ti,9V~36V MIL-461/1275 (M12)

SR700-X4i

i7-9850HL, DDR4-4GB, 128GB SSD, NVIDIA GTX1050Ti ,9V~36V (M12)

Appearance



Dimensions

