





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

Operating System	Windows 10 32/64Bit Ubuntu13.04, Ubuntu13.10, Ubuntu14.04, Fedora 20

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)

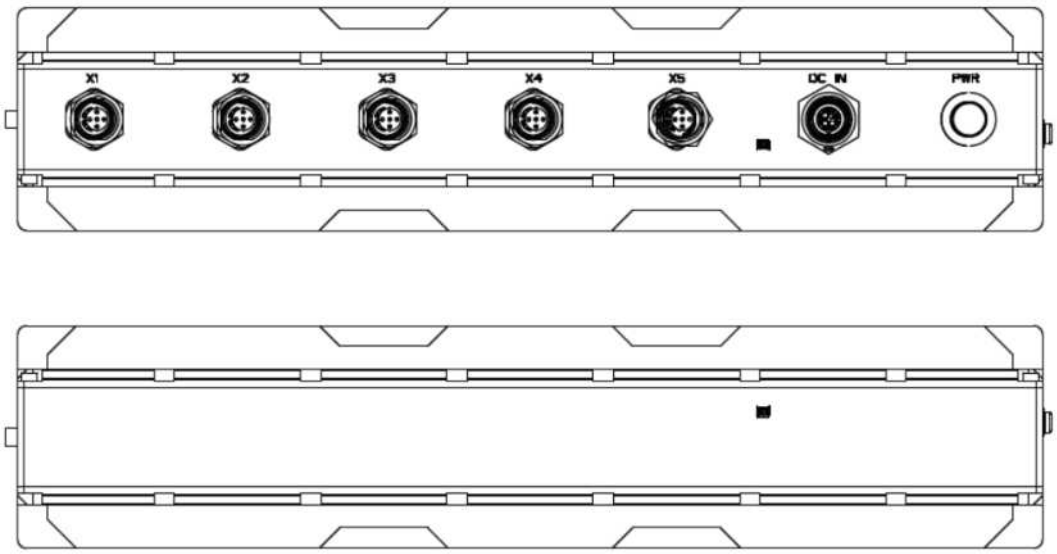
SR700-X4Ei

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

