SR100-X4

9th / 8th Gen Intel® Xeon® / Core ™ MIL-STD Fanless Rugged Computer

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MIL-STD 810H

Power Automation Computer

- MIL-STD810G compliant
- 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)
- 9V to 36V DC-Input
- Extended Temperature -40°C to 60°C

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
Ethernet	I219LM +3 x I210iT
Audio codec	ALC887
Power Type	9V~36V DC IN

Storage

SSD	2 x SATA3.0

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

Button	1x Power Button
DC-IN	1 x 4P Rugged Terminal connector

Rear I/O

Display Port	1 x Display Port
	1 X HDMI
USB	4 x USB3.0
Audio	2 x 3.5mm Audio Jacls(1 x MIC, 1 x Line-out)
Serial Port	1 x DB9 connector (RS232/422/485)
Ethernet	4 x RJ45 GbE LAN

Applications, Operating System

Applications	Commercial and Military Platforms Requiring Compliance to MIL-STD-810G

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	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

Physical

Dimension	250 x 149 x 76 mm
Weight	3.6 Kg (7.94 lbs)
Chassis	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide (Color Iron gray)
Cooling	Natural Passive Convection/Conduction. No Moving Parts.
Ingress Protection	Dust proof (Similar to IP50)

Mechanical and Environment

Reliability	No Moving Parts; Passive Cooling. Designed & Manufactured using ISO 9001/2000 Certified Quality Program.
Operating Temp	-40°C to 70°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

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Ordering Information

SR100-X4

Xeon E-2276ML, DDR4-4GB, 128GB SSD, 9V~36V

SR100-X4i

i7-9850HL, DDR4-4GB, 128GB SSD, 9V~36V

Dimension

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