SR700-X4

MIL-STD-810 IP65 Rugged Computer

MIL-STD 810

- MIL-STD810 Thermal, shock, vibration, Humidity / EMI / EMC conditions
- PCIe/104 Rugged Expansion Slot for Stackable MXM GPU
- Intel 9th Gen Coffee Lake(H)® Xeon® ,Core ™ Processor 45W/25W TDP
- 4 x DDR4 DIMM up to 128GB
- 2 x Full size Mini PCIe
- 1x NVMe M.2 2280

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
Chipset	CM246
memory type	4 x DDR4 DIMM up to 128GB
Graphic	Intel® UHD Graphics 630
GPU	NVIDIA® GTX1050 Ti (CUDA 768 GDDR5-4GB) or NVIDIA QUADRO A2000 (CUDA 2560. GDDR6-8GB)
Ethernet	I219LM +3 x I210iT
Audio codec	ALC887
Power Type	DC 9V~36V, Options for MIL-STD 461 18V~36V
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

X1	DC-IN with DTL38999 connector
X2	2 x USB2.0 with M12 connector
X3	1 x 1GbE LAN with M12 connector
X4	1 x 1GbE LAN with M12 connector
X5	1 x RS232/485 with M12 connector
X6	1 x mDP with DTL38999 connector

Applications, Operating System

Applications	Commercial and Military Platforms Requiring Compliance to MIL-STD-810 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	360 x 230 x 86 mm
Weight	8.6 Kg (18.9 lbs)
Chassis	Aluminum Ally
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-X4DT

Xeon E-2276ML, DDR4-4GB, 128GB SSD, NVIDIA GTX1050Ti, 9V~36V (DTL38999)

SR700-X4DTE

Xeon E-2276ML, DDR4-4GB, 128GB SSD, NVIDIA GTX1050Ti, 18V~36V, MIL-461/1275(DTL38999))

SR700-X4DE

Xeon E-2276ML, DDR4-4GB, 128GB SSD, NVIDIA A2000, 18V~36V, MIL-461/1275(DTL38999))

SR700-X4IE

i7-9850HL, DDR4-4GB, 128GB SSD, NVIDIA A2000, 18V~36V MIL-461/1275 (DTL38999)

SR700-X4ITE

i7-9850HL, DDR4-4GB, 128GB SSD, NVIDIA GTX1050Ti, 18V~36V MIL-461/1275 (DTL38999)

SR700-X4I

i7-9850HL, DDR4-4GB, 128GB SSD, NVIDIA A2000, 9V~36V (DTL38999)

SR700-X4IT

i7-9850HL, DDR4-4GB, 128GB SSD, NVIDIA GTX1050Ti, 9V~36V (DTL38999)

Dimensions & Appearance