

SR10-SCHX3

MIL-STD-810G 19" RACKMOUNT FANLESS
COMPUTER WITH INTEL® CORE i7- 8700T



- MIL-STD 810G COMPLIANCE
- 8TH GENERATION INTEL® CORE™ i7-8700T COFFEELAKE PROCESSOR
- UP TO 16GB DDR4 RAM
- MULTI DISPLAY WITH DISPLAYPORT, HDMI & DVI
- 1 x 2.5" SSD
- 2 x INTEL® GIGABIT ETHERNET
- 6 x USB PORTS, 3 x COM PORT
- 12V TO 24V DC-IN
- EXTENDED TEMPERATURE -20 TO 60 °C



Extended
Temperature
+60°C
-20°C

SPECIFICATIONS

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High Performance Processor	Intel® 8th Gen Core™ i7-8700T (Frequency 2.4GHz, Turbo Boost Frequency up to 4.0GHz), 6-Core, 12 Thread Support, 12MB SmartCache. Build-in UHD Graphics 630 for excellent 3D, Turbo Boost Technology 2.0, VPro and Hyper-Threading support
Memory	Up to 16GB DDR4 RAM
Chipset	Q370
DISPLAY	
GPU	Intel® UHD Graphics 630
Display Port	Resolution up to 4096x2304@60Hz
HDMI	Resolution up to 4096x2160@30Hz
DVI-D	Resolution up to 1920x1200 @ 60Hz
STORAGE	
Storage Device	1 x 2.5" Solid State Disk (SSD) 1 x mSATA Rugged Industrial NAND Flash mSATA Storage w/ Rugged -40/+85C High Capacity, optional Pre-loaded with Linux or Windows OS. 64 / 128 / 256 / 512GB / 1TB / 2TB Innodisk 3MG2-P Series MLC SATA III 6Gb/s Flash SSD, Rated for 520 MB/sec Sequential Read ; 350 MB/sec Write Max.
ETHERNET	
Ethernet	2 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)
REAR I/O	
DisplayPort	1 x 20Pin DisplayPort connector (Female)
HDMI	1 x 19Pin HDMI connector (Female)
DVI-D	1 x 20Pin DVI-D connector (Female)
Ethernet	2 x RJ45 Gigabit Ethernet LAN Interfaces
Serial Port	1 x DB9 connector (RS-232)
USB Port	4 x USB3.1 Gen2 standard-A connectors
Audio Port	1 x Line-Out, 1 x MIC-In connector
DC-IN	4P Rugged Terminal connector
FRONT I/O	
Button	1 x Power Button w/Indicator LED
Indicator LED	1 x HDD LED
USB Port	2 x USB2.0 standard-A connectors
Serial Port	2 x DB9 connectors (1 x RS-232, 1 x RS232/422/485)

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 64bit Ubuntu16.04, Ubuntu14.04, Fedora 28

PHYSICAL

Dimension (W x D x H)	308 x 149 x 65.2mm
Weight	3.21Kg
Chassis	Aluminum Alloy, Corrosion Resistant.
Finish	Anodic aluminum oxide (Color Iron gray)
Cooling	Natural Passive Convection/Conduction. No Moving Parts
Connectors	DC-IN : PHOENIX CONTACT 1776715 RJ45 Ethernet : RTB-19GB9J1A COM: FEN YING SM10-09P DVI : FOXCONN QH11121-DA4E-4F HDMI + DP : JKCR Display and HDMI Female
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) 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)
Operating Temperature	-20 to 60°C (ambient with 0.7m/s airflow)
Storage Temperature	-40 to 85°C
EMC	CE and FCC compliance

ORDERING INFORMATION

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**MIL-STD-810G 19" RACKMOUNT FANLESS COMPUTER WITH
 INTEL® CORE I7- 8700T, 1 x DP, 1 x HDMI, 1 x DVI, 6 x USB,
 12V TO 24V DC-IN**

DIMENSION

