

# MIL-STD-810G 19" Rackmount Fanless Computer with Intel® Core i7- 8700T

Extended  
Temperature  
+85°C  
-40°C

CPU Full Speed



### POWER AUTOMATION COMPUTER

- 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

**SR10-SCHX3**

**Specifications**

**SYSTEM**

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 type	Up to 16GB DDR4 RAM
Chipset	Intel® Q370 Chipset

**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.
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**ETHERNET**

Ethernet	2 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)
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**REAR I/O**

Display Port	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	Energy/Smart Grid/Power Plant Management, Intelligent Automation and manufacturing applications
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	<p>Method 507.5, Procedure II (Temperature &amp; Humidity)</p> <p>Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock)</p> <p>Method 516.6 Shock-Procedure I Operating (Mechanical Shock)</p> <p>Method 514.6 Vibration Category 24/Non-Operating (Category 20 &amp; 24, Vibration)</p> <p>Method 514.6 Vibration Category 20/Operating (Category 20 &amp; 24, Vibration)</p> <p>Method 501.5, Procedure I (Storage/High Temperature)</p> <p>Method 501.5, Procedure II (Operation/High Temperature)</p> <p>Method 502.5, Procedure I (Storage/Low Temperature)</p> <p>Method 502.5, Procedure II (Operation/Low Temperature)</p> <p>Method 503.5, Procedure I (Temperature shock)</p>
Operating Temperature	-20 to 60°C (ambient with 0.7m/s airflow)
Storage Temperature	-40 to 85°C
EMC	CE and FCC compliance

# SR10-SCHX3

## Ordering Information

SR10-SCHX3  
 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

