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MIL-STD-810G 19" RACKMOUNT FANLESS COMPUTER WITH INTEL® CORE 17- 8700



- 8th Gen Intel Core i7-8700 Processor
- Up to 32GB DDR4 RAM
- Multi display with displayport, HDMI & DVI
- 1 x 2.5" SSD

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- 2 x Intel gigabit Ethernet
- 6 x USB ports, 3 x COM port
- 12V to 24V DC-in
- Extended temperature -40°C to 60°C

# **Specifications**

#### SYSTEM

High Performance	Intel® 8th Gen Core™ i7-8700 (Frequency 2.4GHz, Turbo Boost Frequency up	
Processor	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 32GB DDR4 RAM	
Chipset	Intel® Q370 Chipset	
DISPLAY		
GPU	Intel® UHD Graphics 630	
Display Port	Resolution up to 4096x2304@60Hz	
HDMI	Resolution up to 4096×2160@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		
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	
EBONT 1/0		

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, OPER	RATING 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	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	-40 to 60°C (ambient with 0.7m/s airflow)	

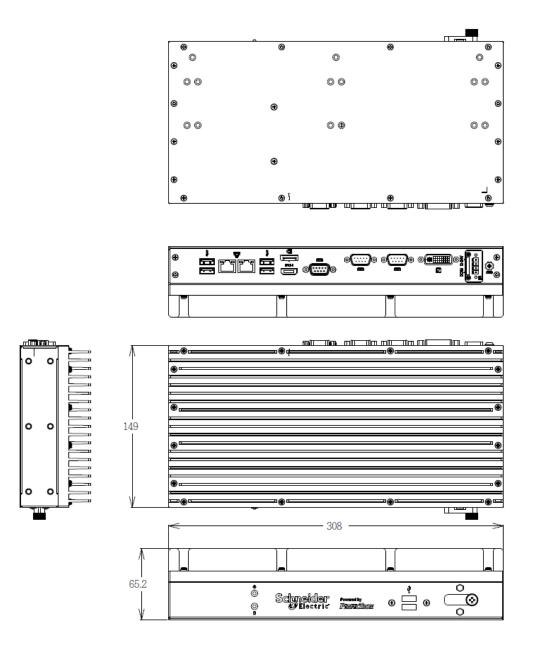
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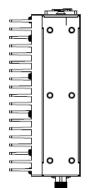
Storage Temperature	-40 to 85°C
EMC	CE and FCC compliance

#### **Ordering Information**

SR10-X3 MIL-STD-810G 19" Rackmount Fanless Computer with Intel<sup>®</sup> Core i7- 8700, 1 x DP, 1 x HDMI, 1 x DVI, 6 x USB, 12V to 24V DC-in

### Drawing





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