

4525

60,000

21,000,000

4,654,520	8,078,511
8,901,705	4,346,501
6,805,210	6,688,570



# SR10-NSA

MIL-STD-810G 19" RACKMOUNT  
FANLESS COMPUTER WITH INTEL®  
CORE I7-8850H



- MIL-STD 810 Anti-Vibration, Shock
- Intel 8th Coffee-Lake (H) Core i7-8850H (2.6 GHz, up to 4.3 GHz)
- DDR4 -32GB
- Multi display : DisplayPort, HDMI & VGA
- Storage (1) : M.2 for Boot Up
- Storage (2) : 1 x 2.5" SATA SSD
- 2 x LAN, 4 x USB 3.1
- 9V-36V DC-DC
- Extended temperature -40°C to 60°C

# Specifications

## SYSTEM

Model	SR10-X3A
CPU	Intel® 8th Gen Core™ i7-850H (2.6Ghz, Up to 4.3Ghz)
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 4096x2160@30Hz
DVI-D	Resolution up to 1920x1200 @60Hz

## STORAGE

Storage Device	1 x 2.5" SATA 3.0 SSD 1 x mSATA.
----------------	-------------------------------------

## 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)
Ethernet	2 x RJ45 Gigabit Ethernet LAN Interfaces
USB Port	4 x USB3.1 Gen2 standard-A connectors
VGA Port	1 x VGA (DB15)
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 -- By Options
Serial Port	2 x DB9 connectors (2xRS232/422/485) -- By Options

## APPLICATIONS, OPERATING SYSTEM

Applications	Industrial and Military Platforms Requiring Compliance to MIL-STD-810 Unmanned Platform, Robotic, Smart Surveillance applications where Harsh Temperature, Shock, Vibration, Altitude, Dust and EMI Conditions.
Operating System	Windows 10 64 bit Ubuntu 16.04, Ubuntu 14.04, 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 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)
Storage Temperature	-40 to 85°C
EMC	CE and FCC compliance

# Ordering Information

SR10-X3A MIL-STD-810G 19" Rackmount Fanless Computer with Intel® Core i7- 8850H, DDR4-32GB, 1 x HDMI, 2 x LAN, 4 x USB 3.1, 9V to 36V DC-DC

# Drawing

