

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



Safety information

Electrical safety

- To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system.
- When adding or removing devices to or from the system, ensure that the power cables for the devices are unplugged before the signal cables are connected. If possible, disconnect all power cables from the existing system before you add a device.
- Before connecting or removing signal cables from the motherboard, ensure that all power cables are unplugged.
- Seek professional assistance before using an adapter or extension cord. These devices could interrupt the grounding circuit.
- Make sure that your power supply is set to the correct voltage in your area.
- If you are not sure about the voltage of the electrical outlet you are using, contact your local power company.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your local distributor.

Operation safety

- Before installing the motherboard and adding devices on it, carefully read all the manuals that came with the package.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- To avoid short circuits, keep paper clips, screws, and staples away from connectors, slots, sockets and circuitry.
- Avoid dust, humidity, and temperature extremes. Do not place the product in any area where it may become wet.
- Place the product on a stable surface.
- If you encounter any technical problems with the product, contact your local distributor

Statement

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- All trademarks are the properties of the respective owners.
- All product specifications are subject to change without prior notice

Revision History

Revision	Date (yyyy/mm/dd)	Changes
Version 1.0	2019/02/01	Initial release

Packing list

- SR10-SCHX3 19" Rackmount Fanless System
- CD (Driver + Quick Installation Guide)
- Bracket Ear x 2
- Screw for fixing Bracket Ear

Ordering information

Model Number	Description
SR10-SCHX3	MIL-STD-810G 19" Rackmount Fanless System with Intel® Core i7- 8700T, 1 x DP, 1 x HDMI, 1 x DVI, 6 x USB, 12V to 24V DC-in, Operating Temp. -20 ~60°C



If any of the above items is damaged or missing, please contact your local distributor.

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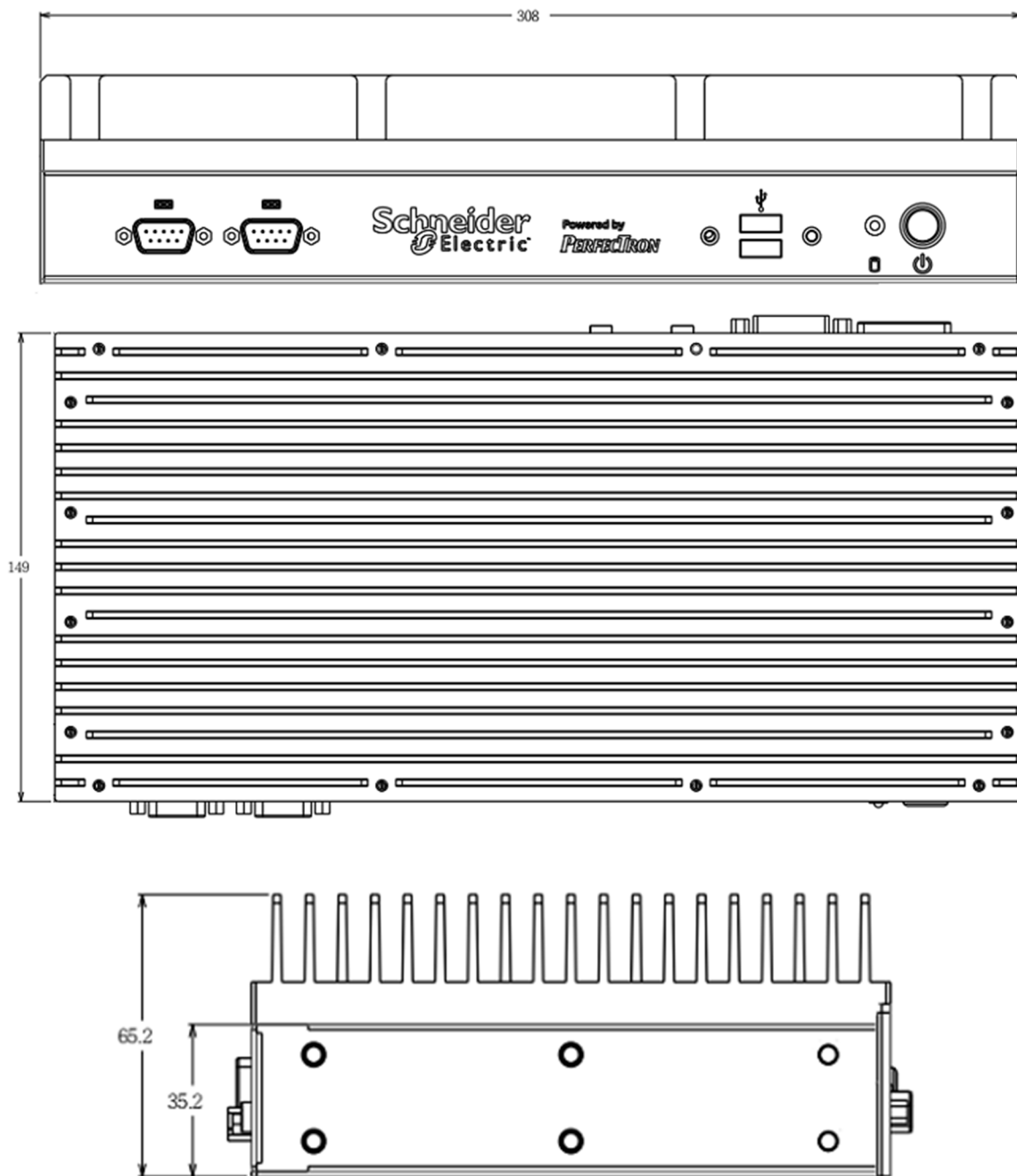
Chapter 1: Product Introduction

1.1 Key Features

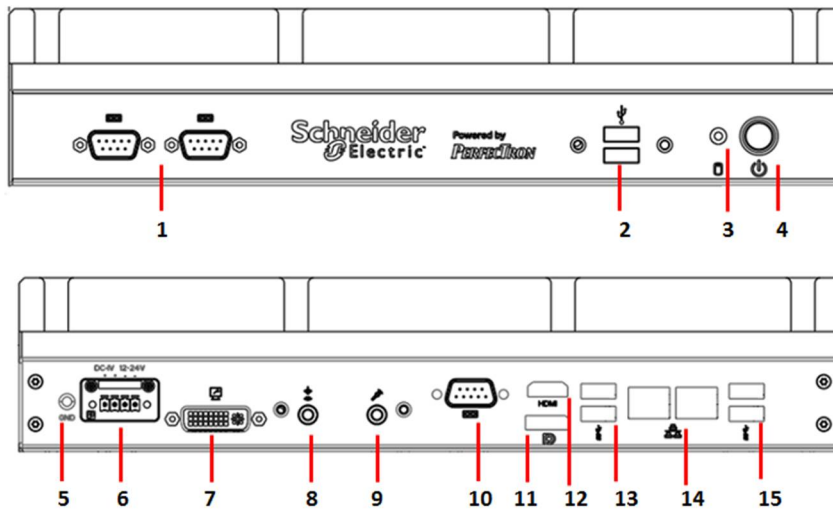
System	
CPU	Intel® Core™ i7-8700T Processor (12M Cache, up to 4.00 GHz)
Memory Type	Up to 16GB SDRAM
BIOS	AMI® BIOS
Storage Device	1 x 2.5" SATA SSD
Front I/O	
HDD LED	1 x Red LED
Power Button	1 x Power Button with LED backlight
USB	2 x USB 2.0
COM	2 x RS232
Rear I/O	
DisplayPort	1
HDMI	1
DVI-D	1
COM	1 x RS232
USB	4 x USB 3.1 Gen2
Audio	1 x Mic In, 1 x Line Out
Ethernet	2 x RJ45
System Power DC-IN	1 x 4-pin terminal block, 12~24V DC input
Ground Screw	1
Mechanical & Environment	
Construction	Aluminum chassis with fanless design
Power Requirements	12V to 24V DC-in
Dimension (W x H x D)	308 x 149 x 65.2mm (12.13" x 5.87" x 2.57")
Operating Temp.	-20 to 60°C (ambient with 0.7m/s airflow)
Storage Temp.	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing

* Specifications are subject to change without notice*

1.2 Dimensions



1.3 Panel Component



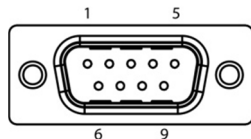
1	2 x RS232
2	2 x USB 2.0
3	1 x HDD LED
4	1 x Power Button with Indicator LED
5	1 x Ground Screw
6	1 x DC-IN 12-24V (4-pin terminal block)
7	1 x DVI-D
8	1 x Line-Out
9	1 x MIC-In
10	1 x RS232
11	1 x DisplayPort
12	1 x HDMI
13	2 x USN3.1 Gen2
14	2 x RJ45 GbE
15	2 x USN3.1 Gen2

Chapter 2: Jumpers and Connectors Locations

2.1 Front Panel Connector Pin Definitions

COM: RS232

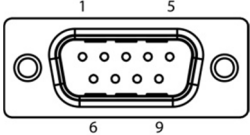
Pin	RS-232
1	DCD-
2	RXD
3	TXD
4	DTR-
5	GND
6	DSR-
7	RTS-
8	CTS-
9	RI



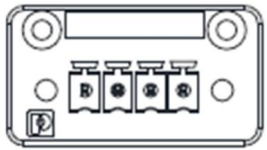
2.2 Rear Panel Connector Pin Definitions

COM: RS232

Pin	RS-232
1	DCD-
2	RXD
3	TXD
4	DTR-
5	GND
6	DSR-
7	RTS-
8	CTS-
9	RI



DC-IN: 12~24V DC-in

Pin	Definition	1	4
1	+12~24V		
2	+12~24V		
3	GND		
4	GND		