

SR10-SCHX2

Intel® CM236 MIL-STD Fanless Rugged System with Intel® Core™ i7-6820EQ Processor, 9V to 36V DC-in, Wide Temp. -40 ~ 60°C

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 product specifications are subject to change without prior notice

Revision History

Revision	Date (yyyy/mm/dd)	Changes
Version 1.0	2018/01/16	Initial release

Packing list

- SR10-SCHX2 Fanless Rugged System
- CD (Driver + Quick Installation Guide)
- Bracket Ear x 2
- Screw for fixing Bracket Ear

Ordering information

Model Number	Description
SR10-SCHX2	Intel® Skylake-H Processor Core™ i7-6820EQ, Fanless System, 9V to 36V DC-in, Wide temperature -40 to 60°C



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

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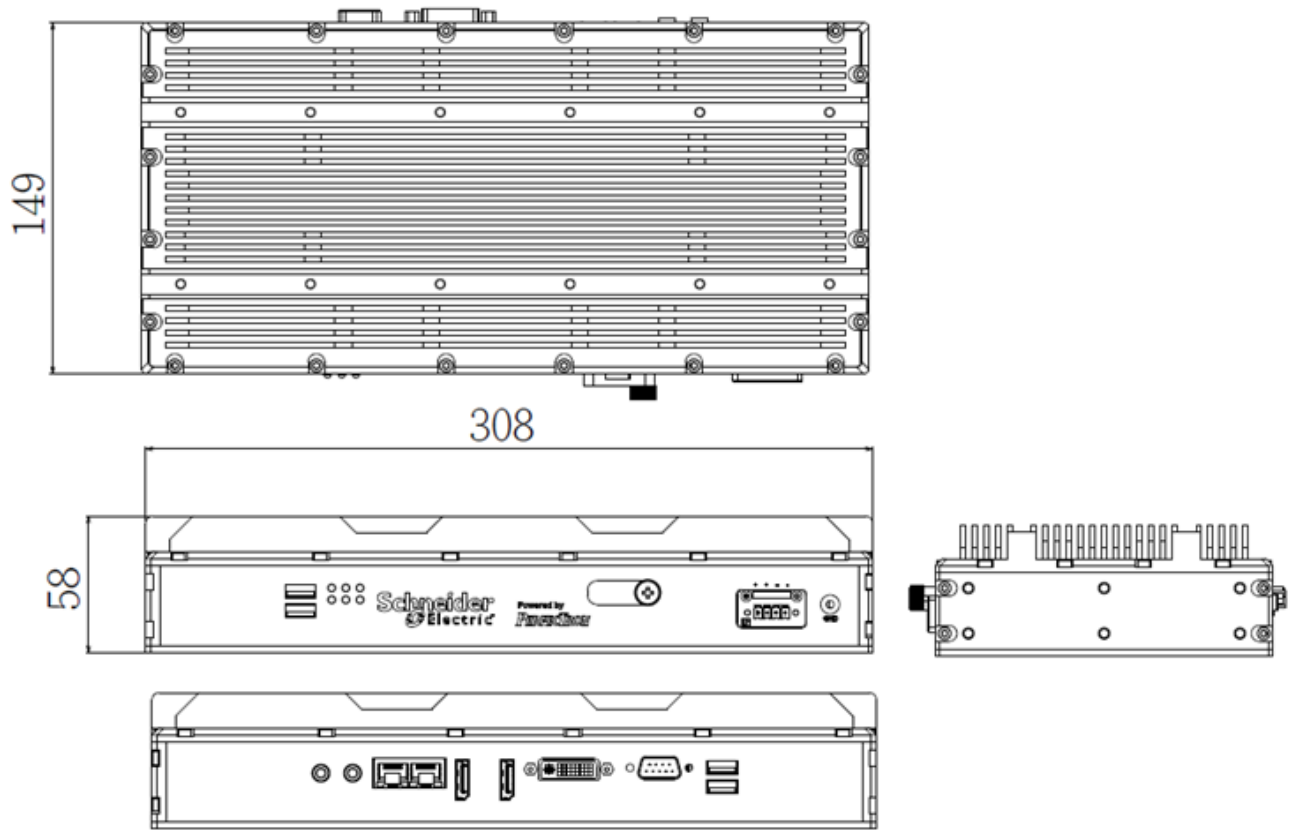
Chapter 1: Product Introduction

1.1 Key Features

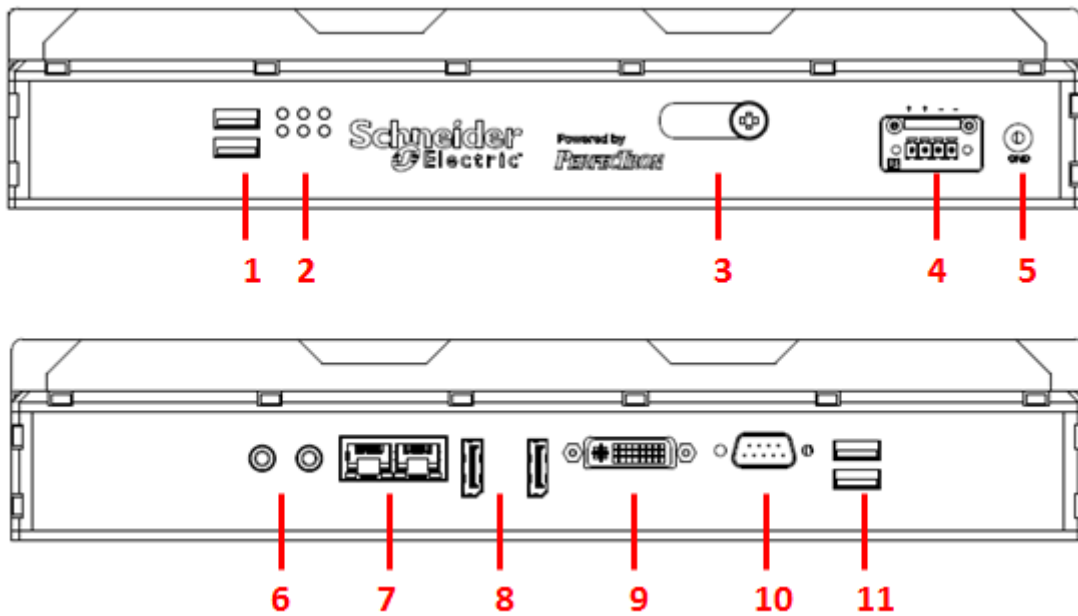
System	
CPU	Intel® 14 nm Skylake-H Intel® Core™ i7-6820EQ Processor (8M SmartCache, 3.50 GHz)
Memory Type	Up to 32GB SDRAM
BIOS	AMI® BIOS
Storage Device	64 GB SATA SSD onboard
Front I/O	
HDD LED	1 x Red LED
Power LED	1 x Green LED
Power Button	1 x Power Button with LED backlight
LAN LED	Link/Activity/Speed LED
USB	2 x USB 3.0
System Power DC-IN	1 x 4-pin terminal block, 9~36V DC input
Ground Screw	1
Rear I/O	
DisplayPort	2
DVI-D	1
COM	1 x RS232/422/485
USB	2 x USB 3.0
Audio	1 x Mic In, 1 x Line Out
Ethernet	2 x RJ45
Mechanical & Environment	
Construction	Aluminum chassis with fanless design
Power Requirements	9V to 36V DC-in #Power consumption under 60 Watt.
Dimension (W x H x D)	308 x 58 x 149mm (12.16" x 2.28" x 5.87")
Operating Temp.	-40 to 60°C (ambient with air flow)
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

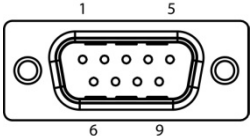


1	2 x USB3.0
2	Power, HDD, LAN (Link/Active/Speed) Indicator LED
3	Power Button w/cover
4	DC-IN
5	Ground Screw
6	MIC-In, Line-Out
7	2 x RJ45 GbE LAN
8	2 x DisplayPort
9	DVI-D
10	COM1(RS232)
11	2 x USB3.0


Chapter 2: Jumpers and Connectors Locations

2.1 Rear Panel Connector Pin Definitions

COM1: RS232

Pin	RS-232	
1	DCD-	
2	RXD	
3	TXD	
4	DTR-	
5	GND	
6	DSR-	
7	RTS-	
8	CTS-	
9	+5V/+12V/RI(Default)	

DC-IN: 9~36V DC-in

Pin	Definition	1	4
1	+9V~36V		
2	+9V~36V		
3	GND		
4	GND		