

SR10-SCH

INTEL® 4TH GEN. HASWELL® CORE™
 I7-4700EQ MIL-STD FANLESS RUGGED
 SYSTEM



Extended
 Temperature
 +70°C
 -40°C

- MIL-STD 810G COMPLIANCE
- 4TH GENERATION INTEL® CORE™ I7-4700EQ HASWELL PROCESSOR
- XR-DIMM UP TO 8 GB RAM
- ONBOARD USSD SATAIII UP TO 64 GB
- 2 X MPCIE EXPANSION SLOT (ONE CO-LAYOUT WITH MSATA)
- 2 X PCIE INTEL® GIGABIT ETHERNET
- 4 X USB 3.0, 1 X COM PORT
- 9V TO 36V DC-IN WITH POWER DELAY ON/OFF

SPECIFICATIONS

SYSTEM

CPU	Intel® Core™ i7 Haswell , BGA type Core i7-4700EQ (4C x 2.4/1.7 GHz), 6M Cache (47W)
Chipset	Intel® QM87 PCH
Ethernet Chipset	Intel® I210IT & i217-LM GbE
Memory	1 x DDR3 1600 XR-DIMM up to 8 GB with ECC
Expansion Slot	2 x mPCIe (1 x colay with mSATA)
Storage Device	Onboard uSSD SATAIII up to 64 GB

FRONT I/O

Power Button	Power Button with dual color LED backlight
Power LED	1 x Green LED
HDD LED	1 x Red LED
LAN LED	2 x Red LED, 2 Green LED
USB	2 x USB 3.0

REAR I/O

Power	1 x Terminal Block
Ethernet	2 x RJ45
COM	1 x RS232/422/485 with 5V/12V selectable
USB	2 x USB 3.0
DVI-I	1 (Default CLOSED)
DisplayPort	2
Audio	1 x MIC, 1 x Line out

MECHANICAL & ENVIRONMENT

Power Requirements	9V to 36V DC-in, AT/ATX mode sup-ports with power delay on/off
Dimension(W xH x D)	308 x 149 x 59 mm
Operating Temp.	-40 to 70°C (ambient with air flow)
Storage Temp.	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing

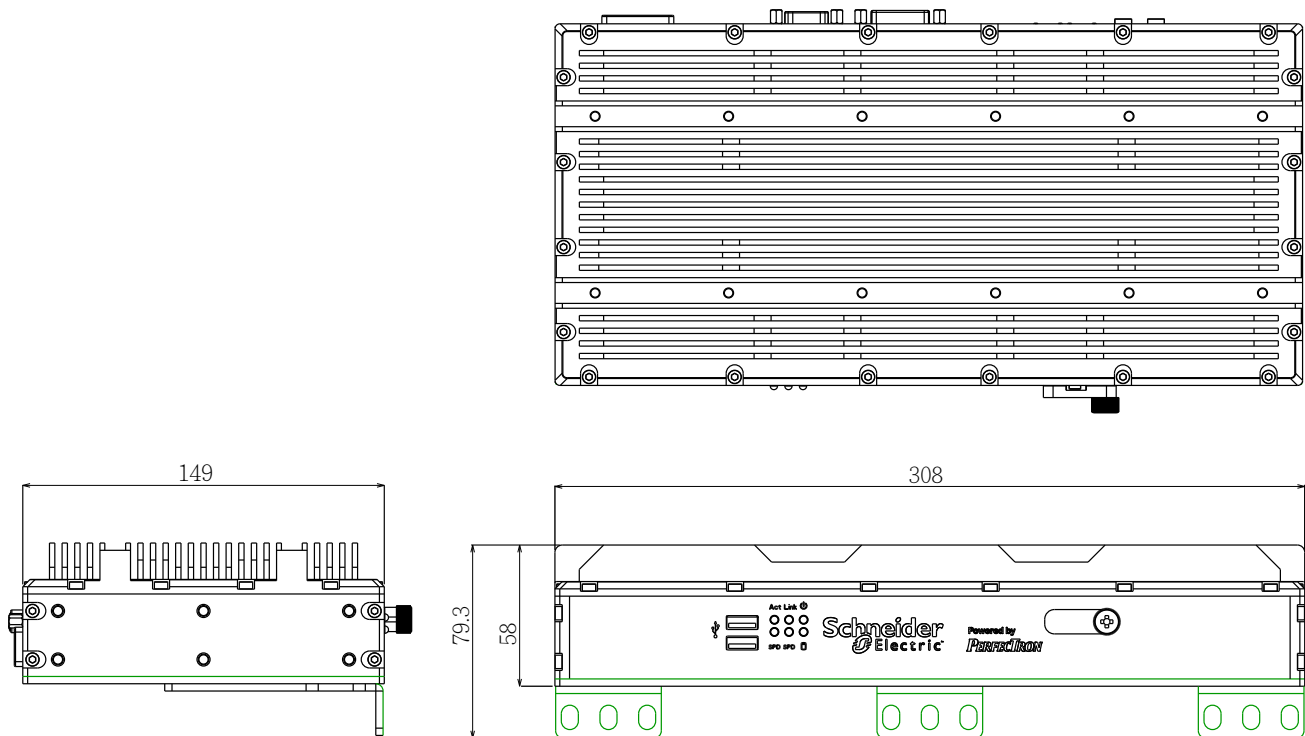
SERIAL INTERFACE & SIGNALS

Serial Standards	1x RS-232/422/485 port, Jumper-selectable (DB9 male)
RS-232	TxD, RxD, DTR, DSR, RTS, CTS, DCD, GND
RS-422	TxD+, TxD-, RxD+, RxD-, GND
RS-485-4w	TxD+, TxD-, RxD+, RxD-, GND
RS-485-2w	Data+, Data-, GND

STANDARDS AND CERTIFICATIONS

	Method 507.5, Procedure II (Temperature & Humidity)
	Method 514.6, Procedure I (Category 20 & 24, Vibration)
	Method 516.6, Procedure I (Mechanical Shock)
MIL-STD-810G Test	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)
EMC	CE and FCC compliance
Green Product	RoHS, WEEE compliance

APPEARANCE


 ORDERING
 INFORMATION

SR10-SCH

- INTEL® QM87 MIL-STD FANLESS RUGGED SYSTEM WITH INTEL® CORE I7-4700EQ HASWELL PROCESSOR, 9V TO 36V DC-IN, WIDE TEMP -40 TO 70°C