



SR200-SG

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



- Intel® Haswell i7-4700EQ + Intel® QM87 PCH (4 cores x 2.4 GHz, 47W)
- NVIDIA® 1050Ti CUDA 768 GDDR5-4GB/ Quadro® P3000 CUDA1280 GDDR5-6GB/ Quadro RTX3000 CUDA 1920 GDDR6-6GB)
- DDR3 XR-DIMM up to 8 GB
- 6 x independent Display Port
- 1x mini-PCIe expansion slot
- 9V~36V DC-IN with Power ON/OFF
- Wide operating Temperature -20°C to 60°C

Specifications

SYSTEM

CPU	Intel® Core™ i7 Haswell, BGA Type Intel® Core i7-4700EQ (4C x 3.4/2.4GHz GHz), 6M Cache (47W)
GPU	NVIDIA® 1050Ti CUDA 768 GDDR5-4GB Quadro® P3000 CUDA 1280 GDDR5-6GB Quadro® RTX3000 CUDA 1920 GDDR6-6GB
Chipset	Intel® QM87 Chipset(Intel®DH82QM87 PCH)
Memory Type	1 x DDR3 1600 XR-DIMM up to 8 GB with ECC
Expansion Slot	2 x mPCIe (1 x co-lay with mSATA) for GEN2
Storage Device	128GB mSATA SSD
Ethernet Chipset	Intel® I210IT & 1217LM GbE

FRONT I/O

Power Button	1 with Backlight
Power LED	1
HDD LED	1
LAN LED	2 Sets
USB	2 x USB 3.0
Display Port	4 Support by MXM Graphic Card
Power	1 x Terminal Block

REAR I/O

Ethernet	2 x RJ45 Ports
Audio	1 x MIC, 1 x Line out
	1x RS-232/422/485 with SV/12V selectable(DB9 male)
COM	Serial Signals RS232: DCD-, RXD, TXD, DTR-, GND, DSR-, RTS-, CTS- RS422:TX-, RX+, TX+, RX-, GND RS485-4W: TxD+, TxD-, RxD+, RxD-, GND RS485- 2W: DATA-, DATA+, GND
USB	2 x USB 3.0
Display Port	2 support by Intel QM87 chipset

DISPLAY

Display Resolution	6 x DP Up to 3840 x 2160
GPU	MXM Type A Graphic Card NVIDIA® 1050Ti CUDA 768 GDDR5-4GB (embedded on PCIe/104 form factor)

OS SUPPORT LIST

Windows	Windows 8 x32/x64 、 Windows 8.1 x32/x64 、 Windows 10 x32/x64
Linux	Fedora 20 、 Ubuntu 13.04 、 Ubuntu 13.10 、 Ubuntu 14.04

MECHANICAL AND ENVIRONMENT

Power Requirement	9V to 36V DC-IN, AT/ATX mode with power delay on/off
Dimension	308 x 149 x 76 mm
Weight	4.30 Kg (9.47 lbs)
Operating Temp.	-20°C to 60°C (ambient with airflow)
Storage Temp.	-4°C to 85°C
Relative Humidity	5% to 95%, non-condensing

TEST STANDARD

MIL-STD-81 OG 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)
EMC	CE and FCC certificated
Green Product	RoHS, WEEE compliance

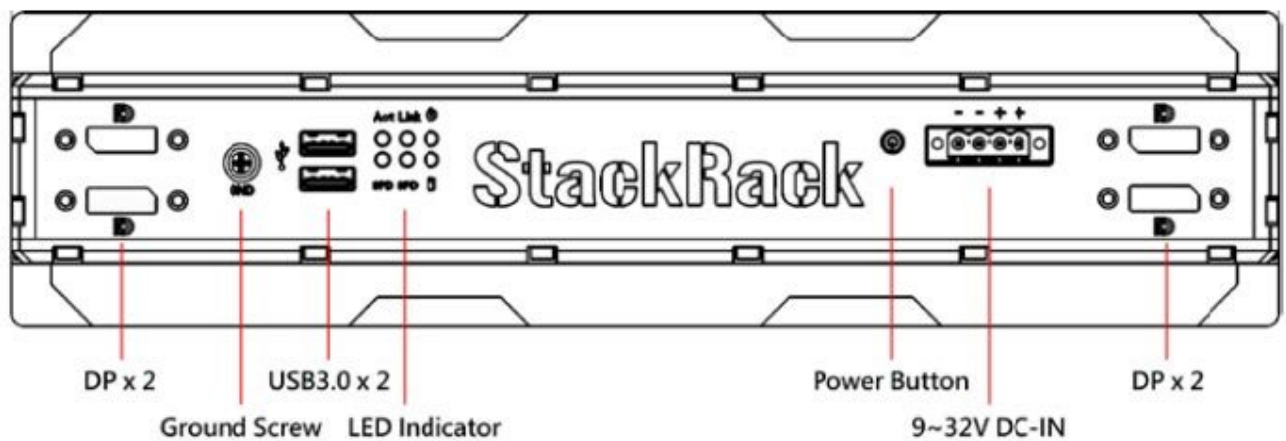
Ordering Information

SR200-SG

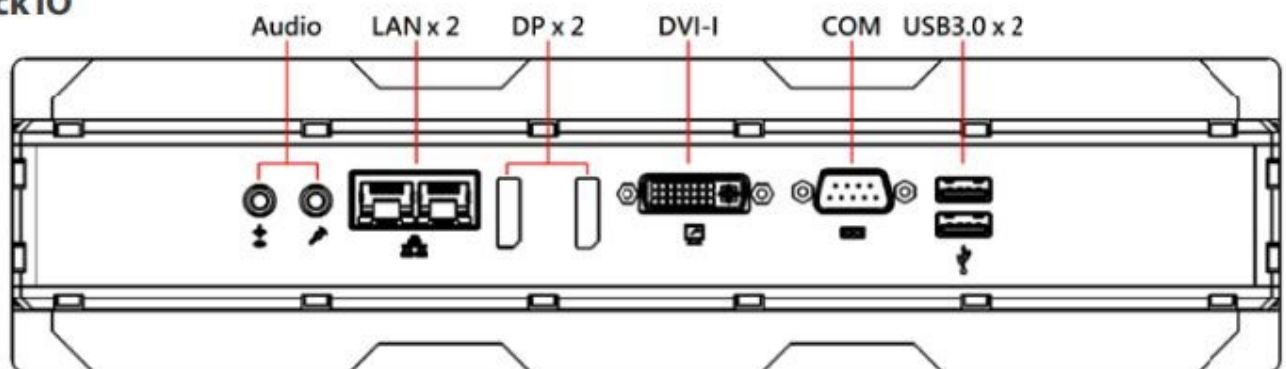
Intel QM87 Fanless Rugged System with Intel Core i7-4700EQ Processor, 1 x mPCIe, 2 x LAN, 4 x USB3.0, 1 x COM, 1 x DVI-I, 6 x Display Port, mSATA 128GB SSD, 9V~36V DC-IN, SK221+GTX1050Ti, -20°C~60°C

Appearance

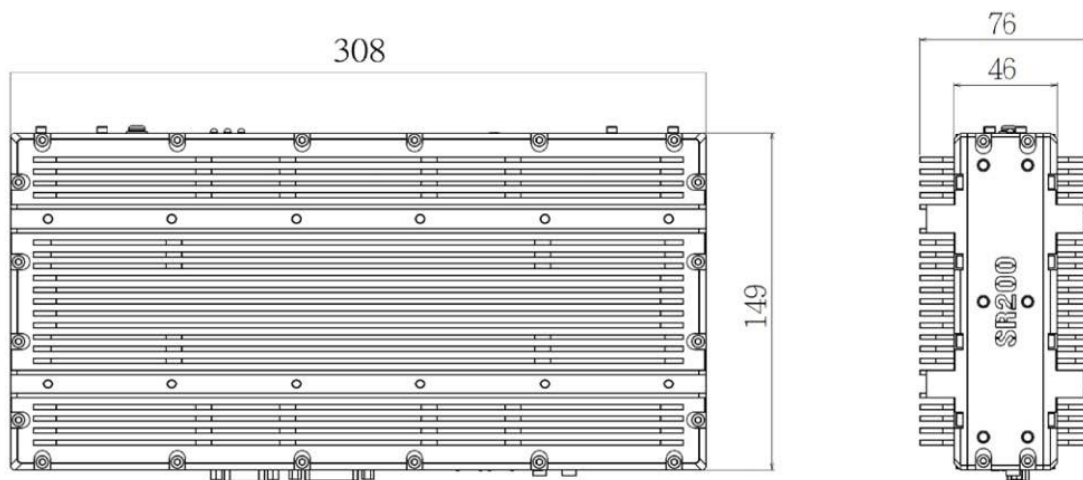
Front IO



Back IO



Dimensions



This datasheet is for marketing purposes only and does not constitute a warranty. All specifications, dimensions, and data are subject to change without notice. For the latest specifications and updates, please contact your 7STARLAKE representative.