

# RHINO-200

## MIL-STD Fanless Rugged System with Intel® Core™ i7-4700EQ Haswell Processor

### Main Features

- 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
- NVIDIA GT730M Independent Displays by 4 x DP
- 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 Type	Intel® Core™ i7 Haswell , BGA type Core i7-4700EQ (4C x 2.4/1.7 GHz), 6M Cache (47W)
Chipset	Intel® QM87 PCH
Memory	1 x DDR3 1600 XR-DIMM up to 8 GB with ECC
Expansion Slot	2 x mPCIe (1 x colay with mSATA)
Touch	PenMount 6000
Storage Device	1 x SATA III 6 Gb/s 2.5" SSD/HDD

#### Front I/O

Power Button	YES
Power LED	YES
HDD LED	YES
LAN LED	YES
USB	2 x USB 3.0
DisplayPort	4
Power	1 x Terminal Block

#### Rear I/O

Ethernet	2 x RJ45
COM	1 x RS232/422/485 with 5V/12V selectable
USB	2 x USB 3.0
Audio	1 x MIC, 1 x Line out

#### Display

Display Interface	DP x 4 - Resolution Up to 3840 x 2160
GPU	NVIDIA GT730M (embedded on PCIe/104 form factor)

#### Mechanical and Environment

Power Requirement	9V to 36V DC-in, AT/ATX mode supports with power delay on/off
Dimension (W x H x D)	308 x 149 x 76 mm
Operating Temp.	-40 to 70°C (ambient with airflow)
Storage Temp.	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing

#### Serial Interface & Signals

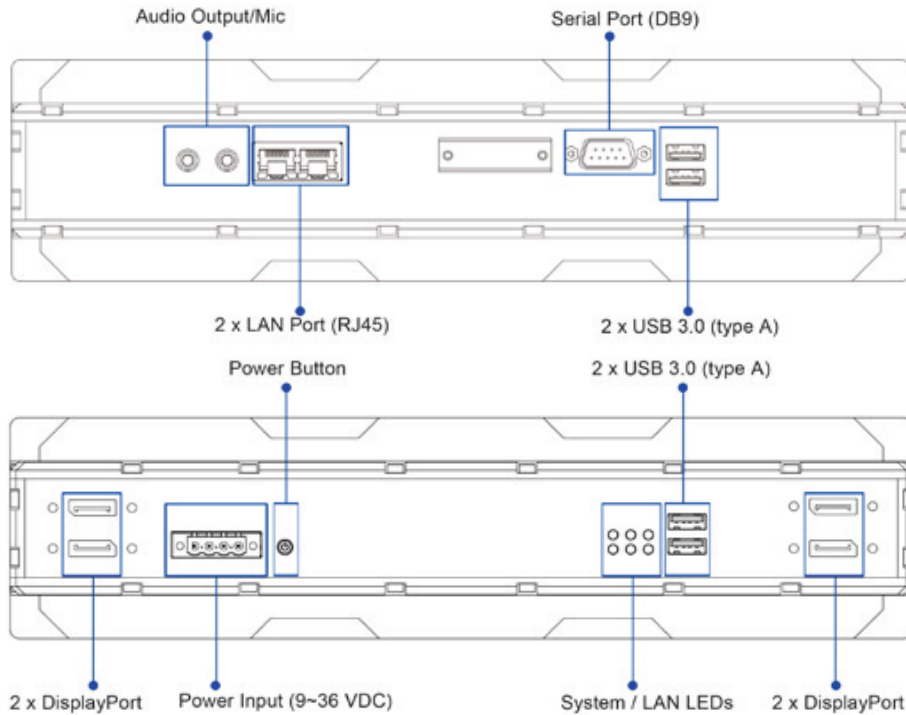
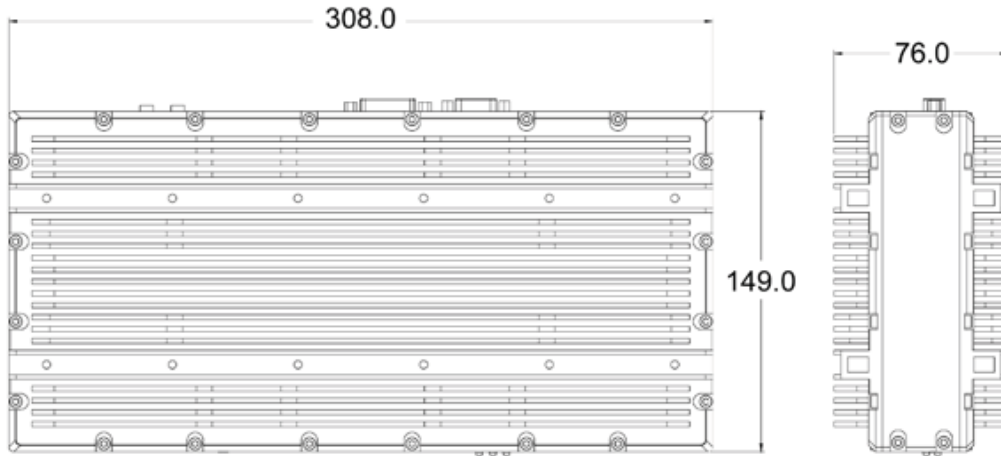
Serial Standards	1x RS-232/422/485 port, Jumper-selectable (DB9 male)
RS-232	TxD, RxD, DTR, DSR, RTS, CTS, DCD, GND
RS-422	TxD+, TxD-, RxD+, RxD-, GND
RS-485-4w	TxD+, TxD-, RxD+, RxD-, GND
RS-485-2w	Data+, Data-, GND

#### Standards and Certifications

MIL-STD-810G Test	Method 507.5, Procedure II (Temperature & Humidity) Method 514.6, Procedure I (Category 20 & 24, Vibration) Method 516.6, Procedure I (Mechanical Shock) 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

# RHINO-200

## Dimensions



## Packing List

- SR200 MIL-STD Fanless Rugged System
- Driver CD

## Optional Accessories

- XR-DIMM up to 8 GB RAM

## Ordering Information

### Modules

Model Number	Description
SR200-ET	Intel® QM87 MIL-STD Fanless Rugged System with Intel® Core i7-4700EQ Haswell Processor, NVIDIA GT730M GPU, 4 Independent DP, 9V to 36V DC-in, Wide Temp -20 to 60°C
SR200-UT	Intel® QM87 MIL-STD Fanless Rugged System with Intel® Core i7-4700EQ Haswell Processor, NVIDIA GT730M GPU, 4 Independent DP, 9V to 36V DC-in, Wide Temp -40 to 70°C