STAR LAKE

LAND
SEA
AIR

AV200

Intel 7th Gen. Core™ i7-7820EQ
NVIDIA GTX950M GPU
MIL-STD Fanless Rugged System Computer

- MIL-STD 810G Compliance
- 7th Generation Intel® Core™ i7-7820EQ KABylake Processor
- Up to 32GB DDR4 SDRAM
- Onboard uSSD SATAIII 64GB
- NVIDIA GTX950M Independent Displays by 2 x DP
- 2 x mPCIe expansion slot(One supports mSATA)

Specifications

System

High Performance Processor	Intel® 7th Gen Core™ i7-7820EQ (Frequency 3.0GHz, Turbo Boost up to 3.7GHz), Quad-Core, 8 Thread Support, 8MB SmartCache. Build-in HD Graphics 630 for excellent 3D, Turbo Boost Technology 2.0, VPro and Hyper-Threading support.
Memory type	Up to 32GB DDR4 SDRAM
Chipset	Intel® QM175 PCH providing integrated USB 3.0 and supporting 7th generation Intel® Core™ processor families
Expansion Slot	1 x Full-size mPCIe (w/ SIM card and mSATA supported) 1 x Half-size mPCIe

Display

Display Port	Resolution up to 3840 x 2160
GPU	NVIDIA GTX950M
DVI-	Resolution up to 1920 x 1200

Storage

uSSD	Onboard uSSD SATAIII 64GB
mSATA	1 x mSATA Solid State Disk (SSD) - up to 512GB Capacity.

Ethernet

Ethernet	2 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)

Rear I/O

Display Port	4 x DisplayPort connectors
DVI-	1 x DVI-I connector
Ethernet	2 x RJ45 Gigabit Ethernet LAN
Audio	2 x 3.5mm Audio Jacks (1 x MIC, 1 x Line-Out)
Serial Port	1 x DB9 connector (RS-232/422/485)
USB Port	2 x USB3.0 standard-A connectors
DC-IN	1 x 4P Rugged Terminal connector

Front I/O

Button	1 x Power Button
Indicator LED	Power, HDD, LAN (Link/Active/Speed)

Front I/O

USB Port	2 x USB3.0 standard-A connectors
HDD Tray	1 x 2.5"HDD Tray

Applications, Operating System

Applications	Commercial and Military Platforms Requiring Compliance to MIL-STD-810G Embedded Computing, Process Control, Intelligent Automation and manufacturing applications where Harsh Temperature, Shock, Vibration, Altitude, Dust and EMI Conditions. Used in all aspects of the military.
Operating System	Windows 8 , Windows 8.1 , Windows 10 Ubuntu13.04, Ubuntu13.10, Ubuntu14.04, Fedora 20

Physical

Dimension (W x D x H)	315.2 x 150 x 120 mm
Weight	6 Kg (13.23 lbs)
Chassis	Aluminum Alloy, Corrosion Resistant
Finish	Anodic aluminum oxide (Color Black)
Cooling	Natural Passive Convection/Conduction. No Moving Parts
Ingress Protection	Dust Proof (Similar to IP50)

Environmental

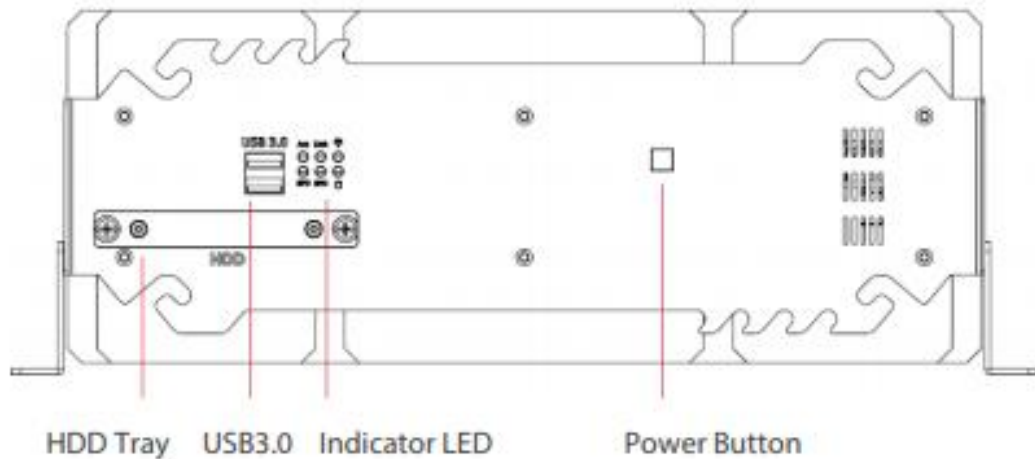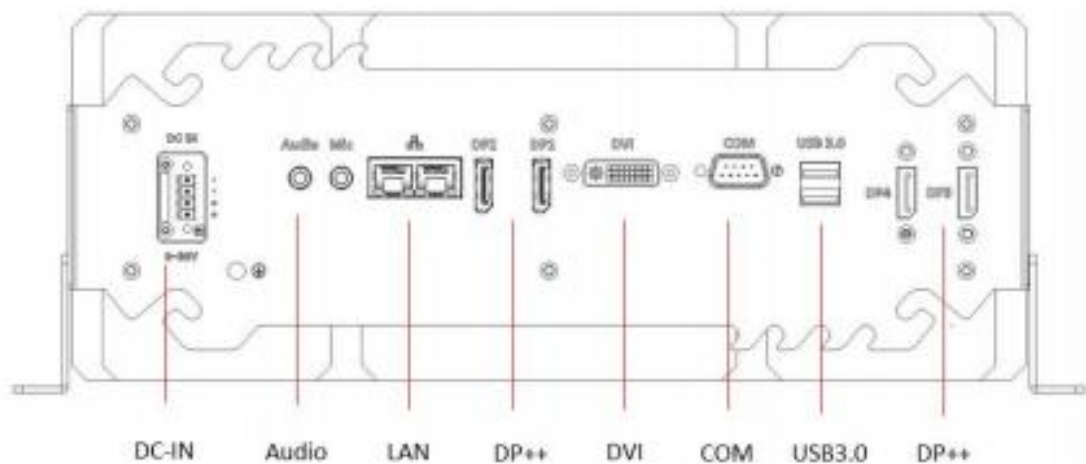|	
Operating Temperature	-20 to 60°C (ambient with air flow)
Storage Temperature	-40 to 70°C
Relative Humidity	10% to 90%, non-condensing
Reliability	No Moving Parts; Passive Cooling Designed & Manufactured using ISO 9001/2000 Certified Quality Program
EMC	CE and FCC compliance
Green Product	RoHS, WEEE compliance

Ordering Information

AV200

MIL-STD-810G Rugged Computer with Intel® Core i7- 7820EQ,

NVIDIA GTX950M GPU, 4 Independent DP, Mini PCIe,

9V to 36V DC-in, Extended Temp -40 to 60°C

Appearance

Front IO: HDD Tray, USB3.0, Indicator LED, Power Button

Back IO: DC-IN, Audio, LAN, DP++, DVI, COM, USB3.0, DP++

Dimension

315.20

150

123.90

120