

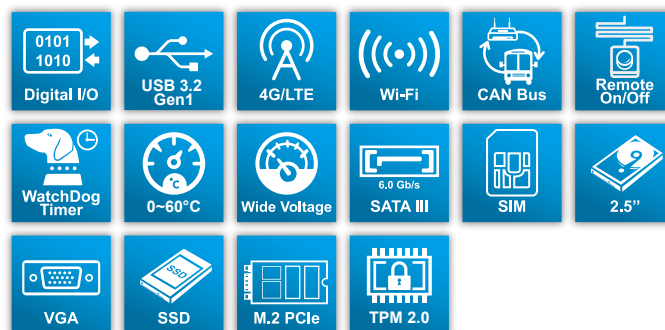
AAD-C622A1

Autonomous Vehicle Server



Features

- Intel® C622 Platform
- Intel® 2nd Gen Xeon Scalable Processor
- 6 x RDIMM DDR4-2933 (up to 384GB)
- 3x Exp. PCIe Gen3 x16 slot (x8 signal, 1 for I/O card, 2 for GPU card)
- 2x Exp. PCIe Gen3 x16 slot (x4 signal, for I/O card)
- 8 x USB3.2 Gen1 x1 (5Gbps) 13/16"-28UN USB Connector
- 2 x 2.5" SATA-III internal Storage Bay, 2 x M.2 NVME swappable SSD bay
- 2 x 10GbE M12, 6x GbE M12 X Code
- DC +12 V PSU power input



Others

WatchDog Timer	1-255 sec. software programmable(O=Disable)
Security	TPM 2.0 (Infineon chipset)

Software

OS Support	Ubuntu 18.04 LTS.
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Power Requirement

Power Input	DC 12V 1000W
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Mechanical & Environment

Dimension	380 (W) x 300 (H) x 510 (D) mm
Operating Temp.	-20 ~ 60°C with GPU cards 100% CPU/GPU loading.
Chassis	Metal Enclosure
Thermal Design	Smart Cooling Fan
Storage Temp	-40~80°C (-40~176°F)
Safety	CE / FCC class B / E Mark / cULus / RoHS
Vibration	IEC 60068-2-64, 5~500Hz, 3GRMS(CF/SSD)
Shock	IEC 60068-2-27, 50G 500m/s ² 11MS

Specification

System

CPU	Intel®2nd Gen Xeon Scalable processor
Chipset	Intel® C622 PCH
Memory	6 x DDR4-2933 RDIMM (up to 384GB)

Video

Video Memory	Integrated
Video Interface	1 x VGA DB15

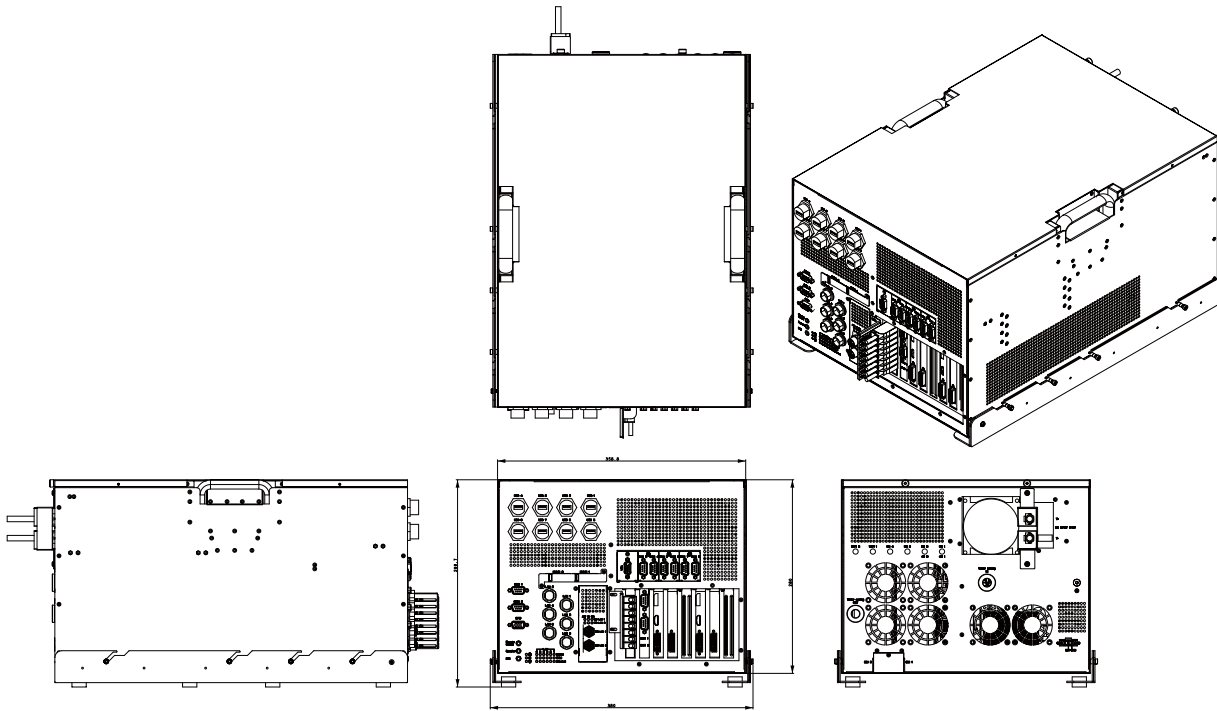
Storage

SATA	2 x SATA III internal SSD bay
NVME	2 x NVME swappable SSD bay

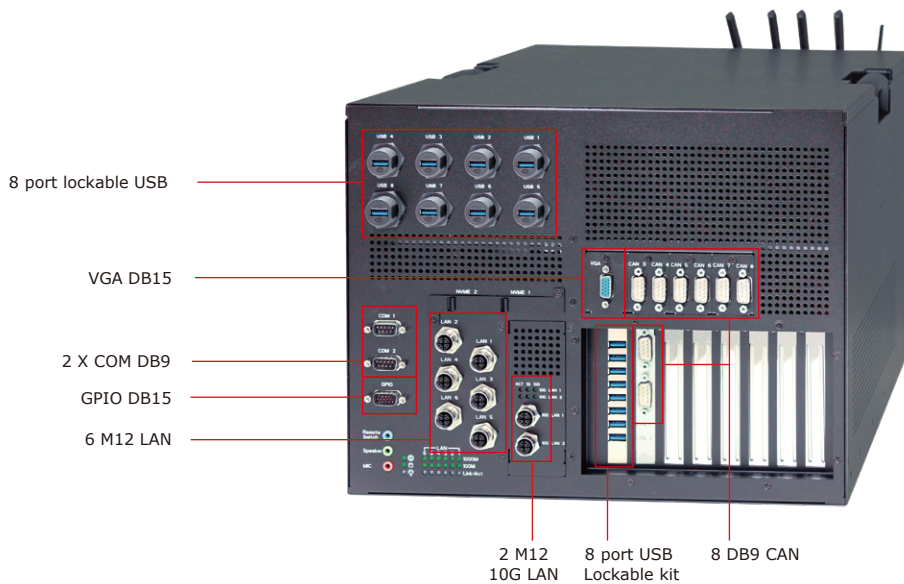
I/O

Ethernet	6x GbE M12 X Code (intel i210-iT) 2 x 10GbE M12 (PCH C622)
USB	8 x USB 3.2 Gen1x1(5 Gbps)13/16"-28UN connector
Serial Port	2 x COM – DB9 (RS232/RS422/485)
CAN Bus	4 x CAN Bus 2.0B DB9 up to 1M bps (Optional item)
GPIO	4 in/ 4 out, DB9
Audio	3 x Audio jack • Green: Audio out • Blue: Remote switch • Pink : Mic in
Mini-PCIe	1 x Mini PCIe socket (for WiFi) 1 x M.2 socket (for 4G/5G)
Exp. PCIe slot	3 x Exp. PCIe Gen3 x16 slot (x8 signal , 1 for I/O card, 2 for GPU card) 2 x Exp. PCIe Gen3 x16 slot (x4 signal ,I/O Card)
SIM Card	2 x SIM card Socket

Dimension



I/O Connectors



Packing List

- 1 x AAD-C622A1
- 1 x System Driver CD
- 1 x Terminal block female 3pin
- 1 x System Bracket
- 1 x 8 bit GPIO Cable
- 1 x Remote switch cable
- M12 GbE M12 Cable
- M12 10 GbE M12 Cable
- M12 COM Cable

Optional Module List

- 4G + GPS + Glonass module
- 5G + GPS + Glonass module
- Wi-Fi Module (Qualcomm. QCA6174A-5)Wi-Fi5+BT5.0
- 8/16/32GB DDR4 2933 RDIMM
- CAN FD 4 port
- CAN 2.0B 4 port
- Acrosser VGA Module
- 8 port USB card UE-1008
- 7x GMSL camera +cable + USB box