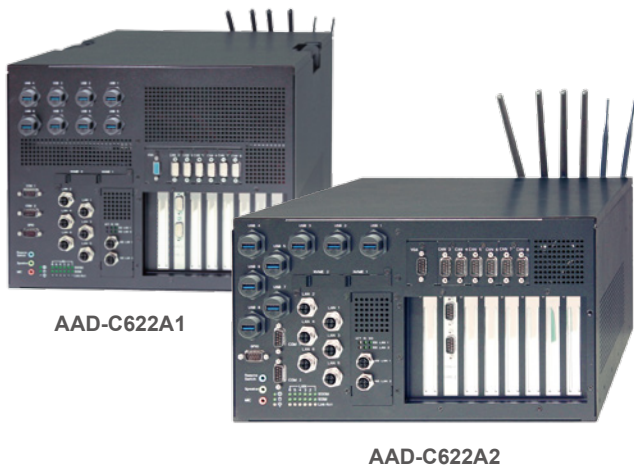


AAD-C622AX-Series

AI Industrial Grade Autonomous Vehicle Server with 5 PCIe slots, support 3 GPU Cards

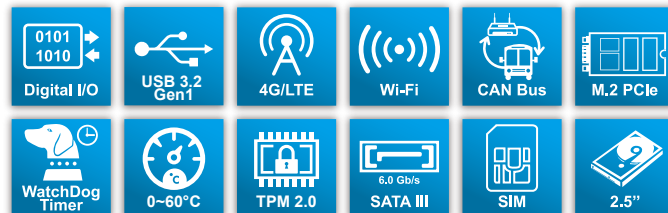


AAD-C622A1

AAD-C622A2

Features

- Intel® C622 Cascade Lake Platform
- Intel® 2nd Gen Xeon Scalable Processor
- 6 x RDIMM DDR4-2933
- 3 x PCIe x16 Gen3 slot (x8 signal), 2 x PCIe x16 Gen3 slot (x4 signal)
- 1,000W power board design to supports 3 NVIDIA graphics cards
- 8 x Anti-loosening USB3.2 (13/16"-28 UN type female Connector)
- 6 x M12 X-coded GbE LAN, 2 x M12 X-coded 10GbE LAN
- 2 x M.2 NVME swappable SSD bay, 2 x 2.5" SATA-III internal Storage Bay,
- 12Vdc or 24/48Vdc Power Input, Ignition Power Control



Others

WatchDog Timer	1-255 sec. software programmable(0=Disable)
Security	TPM 2.0 (Infineon chipset)

Software

OS Support	Ubuntu 18.04LTS.
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Power Requirement

Power Input	AAD-C622A1 : 12Vdc power input with power ignition control, max. 1,000W
	AAD-C622A2 : 24/48Vdc Power Input with power ignition control, max. 1,200W

Mechanical & Environment

Dimension	AAD-C622A1 : 359*280*510 mm without wall mount kit
	AAD-C622A2 : 359*200*510 mm without wall mount kit
Operating Temp.	-20 ~ 60°C with GPU cards
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, (LGA3647)
Chipset	Intel® C622 PCH
Memory	6 x DDR4-2933 RDIMM (up to 384GB)

Video

Video Memory	Integrated
Video Interface	1 x VGA DB15 (Optional Accessory : ADB-VGA2)

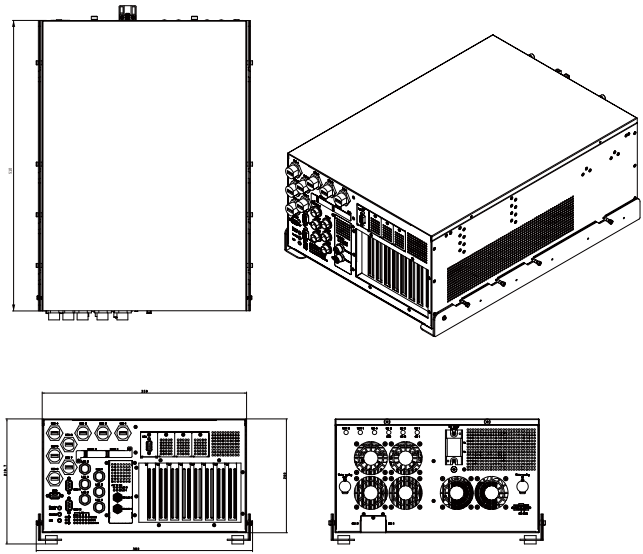
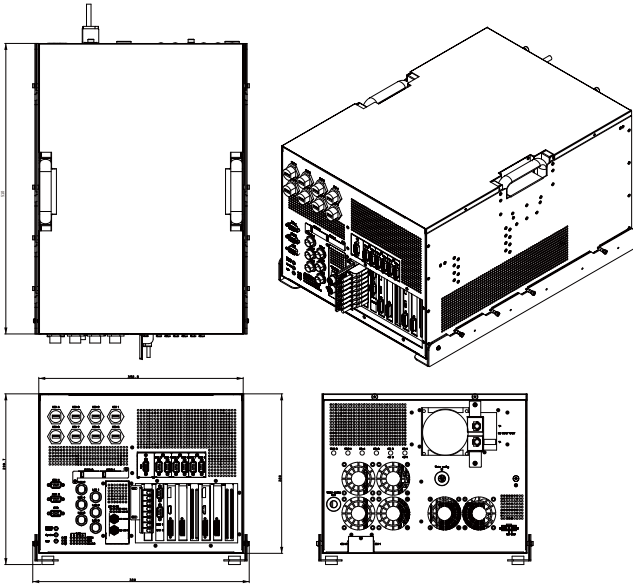
Storage

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

I/O

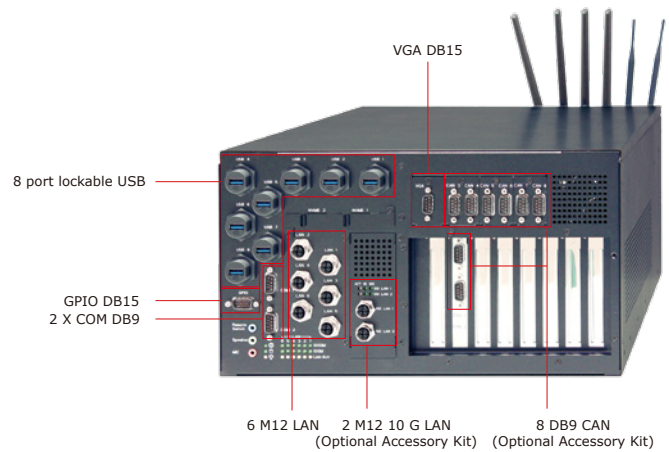
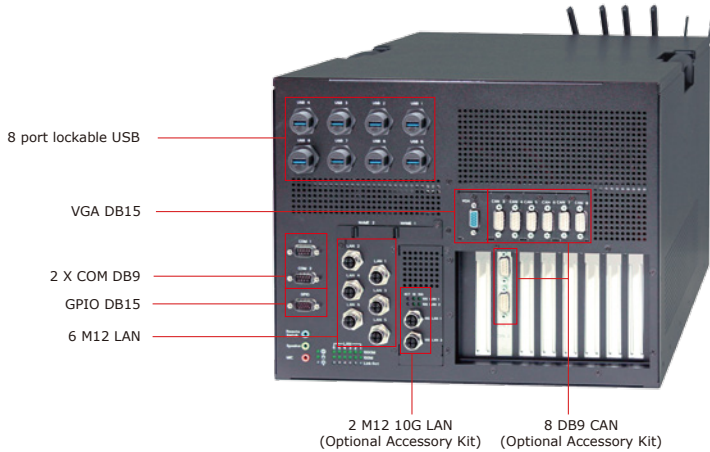
Ethernet	6 x M12 X-coded I210-IT GbE LAN, 2 x M12 X-coded X550-AT2 10GbE LAN (By optional accessory kit)
USB	8 x Anti-loosening USB3.2 (13/16"-28 UN type female Connector)
Serial Port	2 x COM – DB9 (RS232/RS422/485)
CAN Bus	Expand by optional accessory kit. - CAN FD module (DB9 type) - CAN 2.0 (DB9 type)
GPIO	4 in/ 4 out, DB9
Audio	<ul style="list-style-type: none"> • Green: Audio out • Blue: Use for Remote on/off switch • Pink : Mic in
Mini-PCIe	1 x Full size mPCIe socket 1 x M.2 B Key 3042 type socket
Exp. PCIe slot	5 PCIe slots: - 3 x PCIe x16 Gen3 slot (x8 signal), - 2 x PCIe x16 Gen3 slot (x4 signal)
SIM Card	2 x SIM card Socket

Dimension



AAD-C622A1 (12Vdc) / AAD-C622A2 (24/48Vdc)

I/O Connectors



AAD-C622A1 (12Vdc) / AAD-C622A2 (24/48Vdc)

Packing List

- 1 x AAD-C622A1/A2
- 1 x Ignition Terminal Block
- 1 x System Bracket
- 6 x M12 GbE M12 X-Coded Cable
- 1 x GPU Card Retaining Set

Optional Module List

- 8/16/32GB DDR4 2933 RDIMM
- 5G + GPS + GNSS module (100070174)(SIM8202G-M2)
- Wi-Fi +BT Module (100070170)
- 2 ports M12 X-coded 10G kit (100070177)
- 8 ports CAN FD Kit (100070180)
- 8 ports CAN 2.0B kit (100070181)
- 8 port USB card =>100070172
- 1 DB15 VGA (100090084)(ADB-VGA2)