

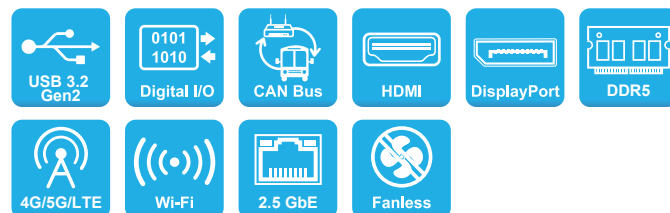
AIV-ADS7A1

Intel® 12/13th Gen. i9/i7/i5/i3 Celeron Processor, Fanless Design Embedded Computer, 9-32Vdc



Features

- Intel® 12/13th Gen. i9/i7/i5/i3 Socket Type Processor
- Support 2 x DDR5 4800 MHz SODIMM, up to 32GB
- Support CANBUS
- 9-32Vdc with Power Ignition
- Aluminum Die casting enclosure
- Fanless design



Specification

System

Processor	Intel® 12/13 th Gen. Socket type Processor, LGA 1700, TDP is 35W
Chipset	Intel® Q670E
System Memory	2x DDR5 4800MHz Memory, up to 32GB
Display Interface	1 x HDMI , 2 x DP
Storage Device	2 x 2.5" SATA Bay
I/O connector	1 x RJ45 Type Intel® I225 2.5GigE LAN 1 x RJ45 Type Intel® I229 GigE LAN 4 x Type A USB 3.2 Gen2 1 x Type C USB 3.2 Gen2x2 2 x DB9 Type RS-232/RS422/485 2 x DB9 Type RS-232 8 x DIO 1 x Mic-in, 1 Line-in, 1 Line-out 1 x DB9 CAN Bus 1 x Power Press Button LED Indicator
Expansion Slot	1 x M.2 B Key(3052) for 4G/5G/GPS 1 x M.2 B Key(2230) for WiFi/BT 1x Nano SIM card slot
OS support	Window 10 64 bits, Ubuntu 22.04.1, 64 bit (Linux Kernel 5.15.0or above)

Mechanical

Mounting	Wall-mount
Dimension	TBD
Gross Weight	TBD
Net Weight	TBD

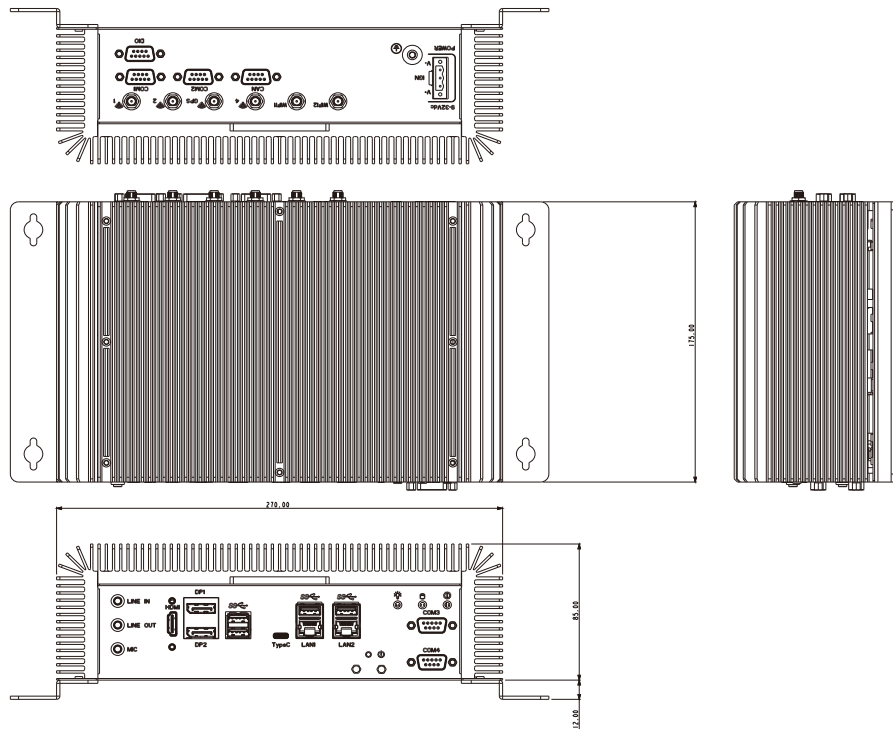
Power Supply

DC input	DC 9-32Vdc w/Power ignition
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Environment Test

Operation Temp.	-25°C to 50°C
Humidity	5~90% (non-condensing)
Vibration	IEEE 60068-2-64, 5Grms/5~500Hz/3 Axis
Shock	IEEE 60068-2-27, 50G peak acceleration (11msec, Half-sine, w/SSD)
Certification	CE/FCC class A

Dimensions



I/O Connectors



Packing List

- 1 x AIV-ADS7A1
- 1 x 3-Pin Terminal block
- 1 x Wall mount bracket Set
- 1 x Screws Package

Ordering Information

AIV-ADS7A1 AIV-ADS7A1- Intel 12/13 Gen. Socket Type Processor, 9-32Vdc

Optional Accessories

DDR5
WiFi module
4G Module

CPU List

Series	CPU	Core	P-Core	E-Core	Thread	Frequency	TDP (W)
Intel	i9-12900TE	16	8	8	24	4.8	35
	i7-12700TE	12	8	4	20	4.6	35
	i5-12500TE	6	6	0	12	4.3	35
	i3-12100TE	4	4	0	8	4.0	35
	G6900TE	2	2	0	2	2.4	35