

AI Inference / MegaEdge

MXM Series AIP-SQ67A-A1/AIP- SQ67B-A1/



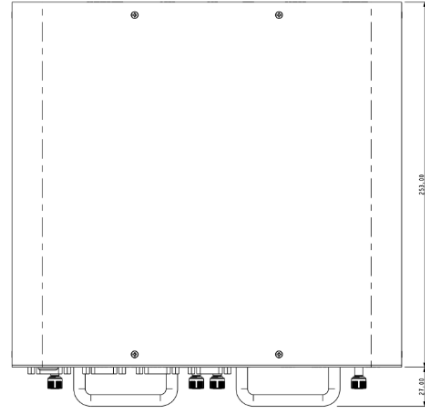
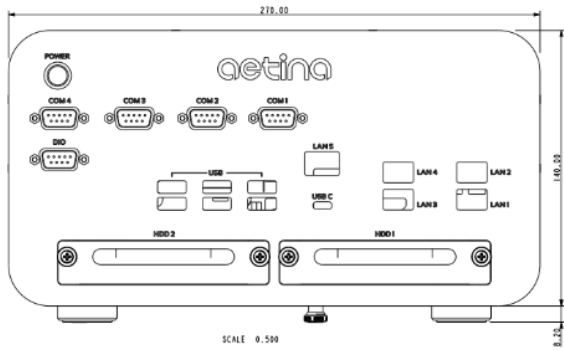
Features

- Supports Intel® 12th Gen Core™ i7/i5 processors, TDP under 65W
- Intel® Q670E Chipset
- Supports MXM PCIe Gen4 x16
- 5x DP++(Support MST), 4 from MXM graphic card, 1 from Integrated graphic
- 2x M.2 M-Key NVME Gen 4x4 /SATA
- 5x 2.5G RJ45 LAN Ports
- 6x USB 3.2 Gen2 (10G)
- 1x USB C(20G)
- Built-in out-of-band remote management module

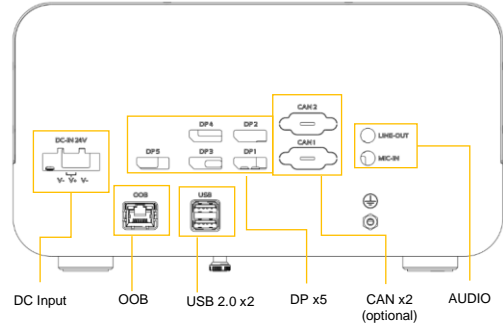
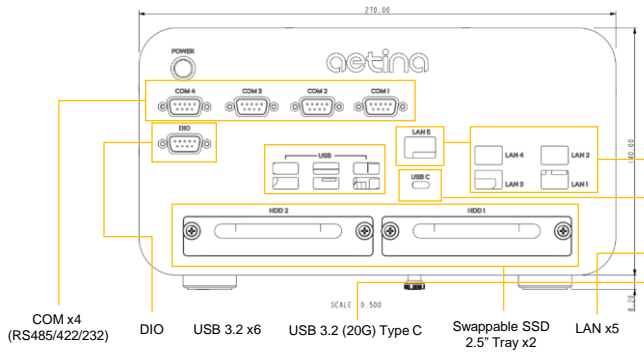
Specifications

Model Number	AIP-SQ67A-A1/AIP-SQ67B-A1
CPU	Supports Intel® 12th Gen Core™ i7/i5 processors, TDP under 65W
Chipset	Intel® Q670E Chipset
GPU Card(Optional)	MXM Type A · Type B · Type B+ (Supports MXM PCIe Gen4 x16)
System Memory	2 x 260-pin Socket Support DDR5 SO-DIMM, Up To 32 GB Per DIMM
Storage	2x 2.5" SATAIII SSD/HDD 2x M.2 M Key Slot, Support PCIe x4 for NVME, Size 2280/SATA
Front I/O	6 x USB3.2 Gen2 (10G) 1 x USB C (20G) 5 x RJ45 LAN Connector(1+4), 2.5G bps 4 x RS-232/RS-422/RS-485 (COM1~4) 1 x DIO
Rear I/O	4 x Display Port (DP++, From MXM Port A/B/C/D) 1 x Display Port(DP++, From CPU) 1 x Audio Jack, Support Line Out/Mic In 2 x CAN Bus-Isolation 2.0B(optional) 2x USB2.0 1x OOB
Expansion	1 x MXM Slot 2 x M.2 M Key Slot, Support PCIe Gen4x4+ SATA Interface for NVME, Size 2280 (w/ Type B/B+ GPU Card needs to use wide temp. M.2 SSD)
Remote-Management Function	OOB (out of band)
Power Consumption	Full loading(Turbo-mode): 361 Watts(w/o MXM)
Power Input /Connector	DC-in 24V / 4-pin Terminal Block
Dimension (Wx Dx H)	270.0 x 148.2 x 280.0mm
Mounting	Desk mount/Wall mount
Net Weight	5.5 kg (12.13 lb)
Vibration	(OP)3 Grms ,IEC60068-2-64,Random,5 ~ 500 Hz , 1Hr / Axis
Shock	(OP)10 G, IEC 60068-2-27, Half Sine, 11 ms Duration
Temperature	Operating Temp.: 0°C ~ + 50°C (With Expansion Kit)(32°F ~ 122°F) / Storage Temp.: -40°C ~ + 85°C (- 40°F ~185°F)
Humidity	95% @ 40°C Related Humidity, Non-condensing
OS Support	Ubuntu 22.04 · Windows 10
Certification	CE/FCC Class B

System & Mounting Dimensions



I/O Mechanical Layout



Ordering Information

Model name	Description
AIP-SQ67A-A1	Intel® I5-12500E(w/CPU Cooler)/Support SO-DIMM DDR5 4800 /2.5" SSD
AIP-SQ67B-A1	Intel® I7-12700E(w/CPU Cooler)/Support SO-DIMM DDR5 4800 /2.5" SSD

Accessory (Optional)

Part No.	Description
32-010000-0005	US Power Cord SVT 18AWG Cable 1800mm Black 105 °C
32-010000-0006	EU Power Cord H05VV-F 0.75mm2/3G SL-6+SL-3 Cable 1800mm Black
01-I51250-IZ00	CPU INTEL:I5-12500E
01-I71270-IZ00	CPU INTEL:I7-12700E
53-0FHR60-0000	HRP-600-24 Adapter
3102000030N000	(DC)POWER CABLE: 4P RVS5-4 TO 2ESDFM-04P 1000mm
3102000029N000	(AC)POWER CABLE: 3P SL4 TO 3P 4.3 SVT 18AWG/3C 300mm
53-0C4800-0000	DDR5 SO-DIMM 4800 MT/s 32GB 0~95°C
53-0C4800-0002	DDR5 SO-DIMM 4800 MT/s 16GB 0~95°C
53-0C3TE7-000B	SATA III 2.5" SATA SSD 1T 3TE7 3D TLC 0~70°C BICS5
42-0W10IE-19V0	License Sticker-Win 10 IoT Ent 2019 LTSC-Value(w/ I5 CPU)
42-0W10IE-19H0	License Sticker-Win 10 IoT Ent 2019 LTSC-High End(w/ I7 CPU)

