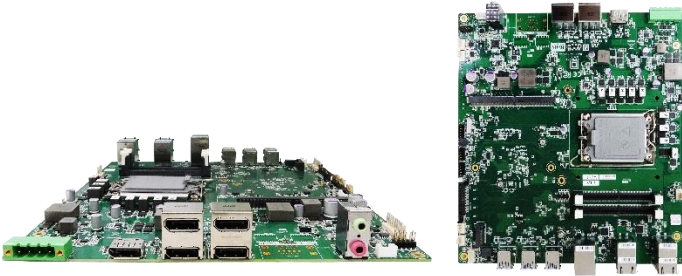


AIB-SQ67-A1



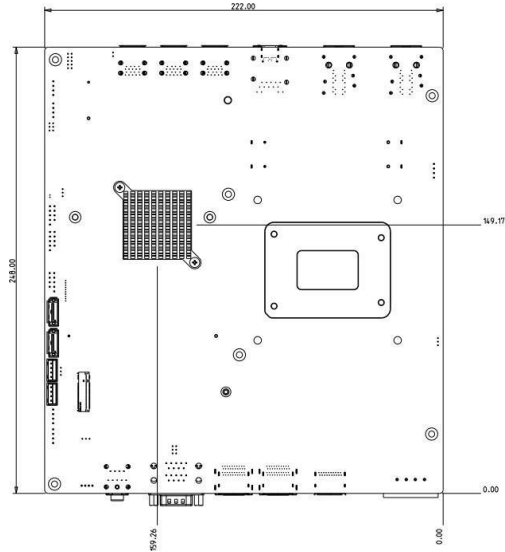
Features

- Supports Intel® 12/13th Gen Core™ i7/i5 processors, TDP under 125W
- Intel® Q670E Chipset
- 5x DP++(Support MST), 1 from Integrated Graphic, 4 from MXM graphic card
- 5x 2.5G RJ45 LAN Ports
- 6x USB 3.2 Gen2 x1 Type-A
- 1x USB 3.2 Gen2 x2 Type-C
- 2x M.2 M-Key NVME Gen 4x4 /SATA

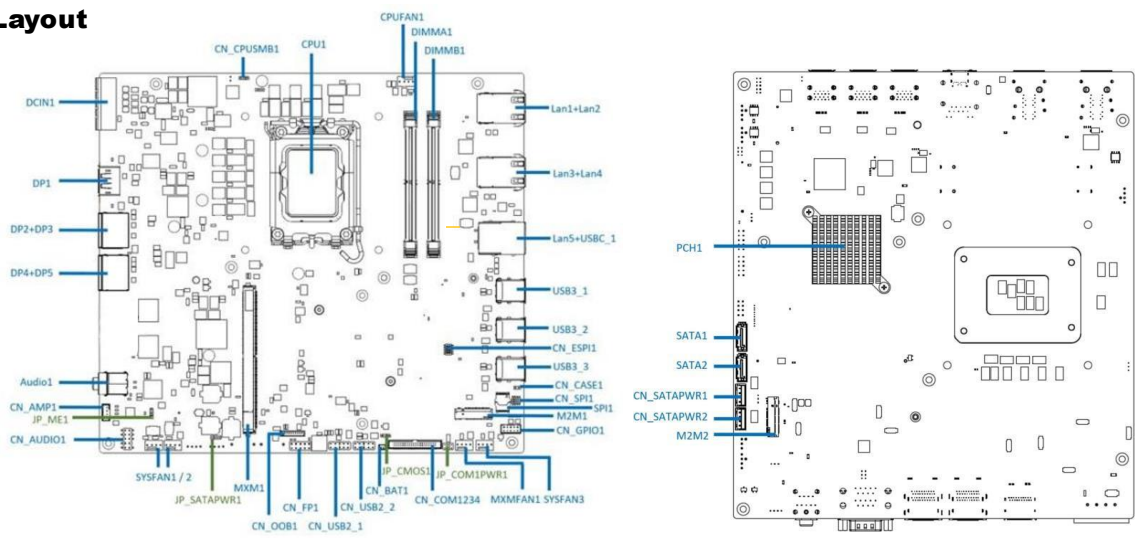
Specifications

Model Number	AIB-SQ67-A1
CPU	Intel LGA 1700 Socket Alder Lake-S processors. Support up to 125W processor
Chipset	Intel® Q670E Chipset
GPU Card(Optional)	MXM Type A、 Type B、 Type B+
System Memory	DDR5 SO-DIMM up to 32GB/Per DIMM , up to 4800MHz 64G
Graphics	Controller: Intel UHD Graphics 770 driven by Xe Architecture
	OpenGL 4.5, DirectX 12, Open CL 1.2, Vulkan 1.1 HW Decode: 8K60 12b 4:2:0 HEVC/VP9/SCC 8K30 10b 4:2:0 AV1 5K60 10b 4:4:4 HEVC/VP9/SCC 4K60 8b 4:2:0 AVC HW Encode: 8K30 or 5K60 8b/10b 4:2:0 HEVC/VP9/SCC 4K60 10b 4:4:4 HEVC/VP9/SCC 4K60 8b 4:2:0 AVC
	DP++: 5 x DP++ (1 from CPU, 4 from MXM), resolution up to 4K @ 60Hz
Front I/O	6 x USB 3.2 Gen2x1 Type-A 1 x USB 3.2 Gen2 x2 (20G) USB Type C Connector 5 x RJ45 LAN Connector(1+4),2.5G bps
Rear I/O	4 x Display Port (DP++, From MXM Port A/B/C/D) 1 x Display Port(DP++, From CPU) 1 x Line-out, 1 x Mic-in
Internal I/O	4 x USB2.0 (Pin Header 2x5P,2.54mm pitch) 2 x SATA 3.0 (up to 6Gb/s) 4 x RS232/RS485/RS422 (COM1~4) , default RS232 by bios setting 2 x M.2 M Key for storage 1 x 8-bit GPIO
Expansion Slot	1 x MXM type B+ 2 x M.2 2280 M Key(PCIe/SATA)
Watchdog Timer	Output: System reset Interval: Programmable from 1 to 255 Seconds
Security	TPM 2.0
Power Input /Connector	DC-in 24V / 4-pin Terminal Block
Dimension	248 x 222mm
Net Weight	0.6 kg
Temperature	Operating: 0 to 60℃ Storage: -40 to 85℃
Humidity	Operating: 5 to 90% RH Storage: 5 to 90% RH
OS Support	Ubuntu 22.04、 Windows 11
Certification	CE/FCC Class A/UKCA

Dimensions



Board Layout



Ordering Information

Model name	Description
AIB-SQ67-A1	Q670E MXM M/B, Support 5x LAN, 6x USB, 5x DP, 1x Type-C USB, Audio, DC 24V, 0~60°C(W/ Terminal Plug · MXM Screws and SATA Cable)

Accessory (Optional)

Part No.	Item	Description
01-I51250-I200	CPU	CPU INTEL:I5-12500E
01-I71270-I200	CPU	CPU INTEL:I7-12700E
39-S17878-0000	CPU Cooler	LGA-1700 12V 4PIN L:200mm 6000RPM 90°90*61.5mm ALUMINUM (Support 65W CPU)
53-0C4800-0002	D-RAM	DDR5 SO-DIMM 4800 MT/s 16GB 0~95°C
53-0C4800-0000	D-RAM	DDR5 SO-DIMM 4800 MT/s 32GB 0~95°C
53-0C3TE7-0008	Storage	SATA III 2.5" SATA SSD 1T 3TE7 3D TLC 0~70°C BICS 4
53-0C3TE7-000B	Storage	SATA III 2.5" SATA SSD 1T 3TE7 3D TLC 0~70°C BICS 5
53-0FHR60-0000	Adapter	Power Adapter MW:HRP-600-24
32-010000-0005	Power cord	US Power Cord SVT 18AWG Cable 1800mm Black 105 °C
32-010000-0006	Power cord	EU Power Cord H05VV-F 0.75mm2/3G SL-6+SL-3 Cable 1800mm Black