



Features

- Fanless system with MBE240 proprietary board
- 14th/13th Intel® Core™ i9/i7/i5/i3 desktop processors (35W TDP)
- Support DDR5-5600 memory, up to Max.64GB Non-ECC
- 2x Intel® 2.5G LAN, 2x Intel® GbE (Support 802.3 at PoE+)
- 3x M.2 sockets (M-Key/B-Key/E-Key)
- Support 1x PCI-E(16x) expansion slot
- Support Over/Under/Reverse voltage protection
- Dual SIM slots support WWAN redundancy, iAMT (16.1), dTPM(2.0)
- 2x 2.5" Storage (Support RAID 0/1)



Specifications

System Mainboard	MBE240AF with Intel® Q670E PCH
CPU Type	14th/13th/12th Intel® Core™ i9/i7/i5/i3 desktop processors (35W TDP)
System Speed	Up to 5.0GHz
Memory	2x DDR5-5600 SO-DIMM, Max. 64GB , Non-ECC
Front Panel External I/O	2x RS232/422/485 COM ports 4x RS232 COM ports 2x DisplayPort 1x 5-pins DC-in terminal block type for +24V 2x Antenna holes 1x expansion slots
Rear Panel External I/O	2x HDMI 8x USB 3.2 ports 2x Antenna holes 2x RJ-45 2.5G port 1x RED HDD/SSD LED 1x Power button with Green LED indicator 1x 2-pin terminal block for On/Off 2x SIM card slots
Expansion Slots	1x PCI-E (16x) expansion slot 1x M.2 B-Key 3052 (LTE/5G/4G) 1x M.2 E-Key 2230 (WiFi/BT) 1x M.2 M-Key 2280 (NVMe / SATA SSD)
Storage	2 x 2.5" storage
Power Requirement	+24V DC-in
Construction	Aluminum @ Gray
Chassis Color	Silver & Gray
Mounting	Desktop & wall mount
Weight	4.9 kg
Dimensions	210mm(W) x 285mm(D) x 109mm(H)
Operating Temperature	-20 °C ~ +70 °C (-4°F~158°F) [with 35W CPU and DDR5 memory]
Storage Temperature	-20°C~+80°C (-4°F~176°F)
Relative Humidity	5%~90%@45°C (non-condensing)
Vibration	Operating: 3.0 Grms / 5~500Hz
Shock	Operating: 20G/11 ms Duration Non-operating: 40G/11 ms Duration
Certification	CE, FCC & LVD
Operating System	Windows 10 /11, Ubuntu

Ordering Information

AMI241AFM	(AMI) Aluminum Chassis with MBE240AF (Q670E PCH), Fanless Design, w/o CPU /memory/Storage, with riser card IP214. Supporting 6x COM, iAMT16.1, mounting brackets, (RoHS2)
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Dimensions and Drawing

