



## Features

- Fanless system with IBASE MBE240 proprietary board
- 14th/13th Gen Intel® Core™ i9/i7/i5/i3 Desktop Processors (35W TDP)
- Dual SIM slots support WWAN redundancy (5G/4G/LTE)
- 4x RJ45 Ethernet ports (2x 2.5GbE ports + 2x PoE+ ports support 802.3at)
- 3x M.2 (B-key/E-key/M-key), iAMT (16.1), TPM (2.0)
- Single 24V DC input, supports over/under/reverse voltage protection
- Supports wide-range operating temperature from -20°C to 70°C



## Specifications

|                          |                                                                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Mainboard         | MBE240AF with Intel® Q670E PCH                                                                                                                                                                                                                                             |
| CPU Type                 | 14th/13th Gen Intel® Core™ i9/i7/i5/i3 Desktop Processors                                                                                                                                                                                                                  |
| System Speed             | Up to 5.0GHz                                                                                                                                                                                                                                                               |
| Memory                   | 2x DDR5-4800/5600 SO-DIMM, Max. 64GB                                                                                                                                                                                                                                       |
| Front Panel External I/O | 2x HDMI(2.0b)<br>1x Audio jack for Mic-in / Line-out<br>4x USB3.2 ports<br>2x Antenna holes<br>2x RJ45 2.5GbE ports + Dual USB 3.2 stack ports<br>1x RED LED for 2.5" storage device<br>1x power button with Green LED indicator<br>1x 2-pin terminal block<br>2x SIM card |
| Rear Panel External I/O  | 2x RS232/422/485 port for COM#1~COM#2<br>2x RS232 ports for COM#3~COM#4<br>2x DisplayPort (1.2)<br>2x RJ45 Gigabit Ethernet port (supports 802.3at,PoE+)<br>1x 5-pin DC-in terminal block type for 24V<br>2x Antenna holes                                                 |
| Expansion Slots          | 1x M.2 (E-key) for WiFi / BT<br>1x M.2 (B-key) for 5G/4G/LTE (Supports Sierra 5G module)                                                                                                                                                                                   |
| Storage                  | 1x 2.5 HDD/SSD<br>1x M.2 (M-key)<br>*Supports NVMe SSD                                                                                                                                                                                                                     |
| Construction             | Aluminum & steel                                                                                                                                                                                                                                                           |
| Chassis Color            | Silver + Gray (Aluminum)                                                                                                                                                                                                                                                   |
| Mounting                 | Desktop & wall mount                                                                                                                                                                                                                                                       |
| Dimensions               | 210mm(W) x 285mm(D) x 77mm(H)<br>8.27" (W) x 11.22" (D) x 3.03" (H)                                                                                                                                                                                                        |
| Weight                   | 4.1 kg                                                                                                                                                                                                                                                                     |
| Operating Temperature    | -20°C ~ 70°C (-4°F~158°F) (for 35W CPU)                                                                                                                                                                                                                                    |
| Storage Temperature      | -20°C~80°C (-4°F~176°F)                                                                                                                                                                                                                                                    |
| Relative Humidity        | 5% ~ 90%@45°C (non-condensing)                                                                                                                                                                                                                                             |
| Vibration                | Operating : 0.25Grms / 5~500Hz<br>Non-operating : 1Grms / 5~500Hz                                                                                                                                                                                                          |
| Shock                    | Operating : 20G / 11ms<br>Non-operating : 40G / 11ms                                                                                                                                                                                                                       |
| Certification            | CE *follow EN55032*<br>FCC Class A / LVD                                                                                                                                                                                                                                   |

## Ordering Information

|                                   |                                                                                                                                                    |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| AMI240AFM                         | (AMI) Aluminum Chassis with MBE240AF (Q670E PCH), Fanless Design , w/o CPU /memory/Storage, Supporting 4x COM, iAMT16.1, mounting brackets,(RoHS2) |
| 270W Power Adaptor Kit (optional) | 270W (24V@11.25A) power adaptor kit compatible with IEC62368-1/ EN62368-1                                                                          |

## Dimensions and Drawing

