



Rear I/O



## Features

- Fanless system with IBASE MB230 proprietary board
- 9th/8th Gen Intel® Core™ i7/i5/i3 Desktop Processors
- Dual SIM slots support WWAN redundancy
- 4x RJ45 Gigabit Ethernet port (2x support 802.3at PoE+)
- 3x M.2 (B-key/E-key/M-key)
- Supports Over/Under/Reverse voltage protection
- iSMART, iAMT (11.6), TPM (2.0)

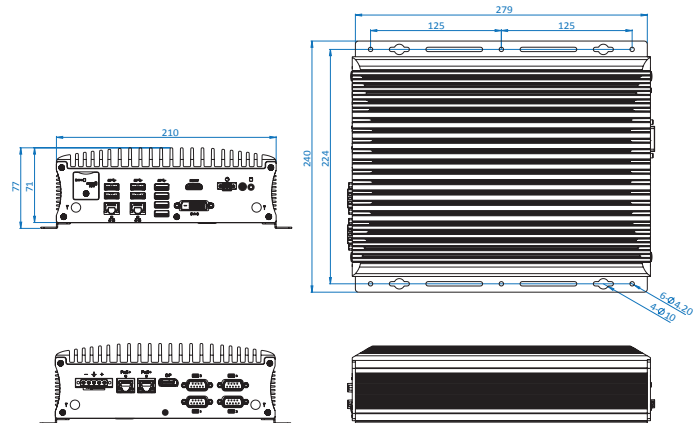
## Specifications

|                          |                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Mainboard         | MB230AF with Intel® Q370 PCH                                                                                                                                                                                                                                |
| CPU Type                 | 9th/8th Gen Intel® Core™ i7/i5/i3 desktop processors                                                                                                                                                                                                        |
| System Speed             | Up to 4.0 GHz                                                                                                                                                                                                                                               |
| Memory                   | 2x DDR4-2666/2400 SO-DIMM, Max. 32GB                                                                                                                                                                                                                        |
| Front Panel External I/O | 1x DVI-D + HDMI(1.4)<br>4x USB 3.1 ports<br>2x Antenna holes<br>2x RJ45 Gigabit Ethernet ports + dual USB 3.1 ports<br>1x Red HDD LED<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>1x DisplayPort (1.2)<br>2x RJ45 Gigabit Ethernet port (supports 802.3at PoE+)<br>1x 5-pins DC-in terminal block type for 12V (±10%) or 18V (-10%)~24V (+10%)<br>2x Antenna holes |
| Expansion Slots          | 1x M.2 (B-key supports USB 2.0 for 4G/LTE)<br>1x M.2 (E-key supports PCI-E + USB 2.0 for CNVi)<br>1x M.2 (M-key supports PCI-E(4x) + SATA for NVMe SSD)                                                                                                     |
| Storage                  | 1x 2.5" HDD/SSD, M.2 (M-key)                                                                                                                                                                                                                                |
| Construction             | Aluminum & steel                                                                                                                                                                                                                                            |
| Chassis Color            | Silver & Gray                                                                                                                                                                                                                                               |
| 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                   | 4kg                                                                                                                                                                                                                                                         |
| 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% @60°C, (non-condensing)                                                                                                                                                                                                                               |
| Vibration                | Operating: 3Grms / 5~500Hz                                                                                                                                                                                                                                  |
| Shock                    | Operating: 20G / 11ms<br>Non-operating: 40G / 11ms                                                                                                                                                                                                          |
| Certification            | CE/ FCC Class A/ LVD                                                                                                                                                                                                                                        |

## Ordering Information

|                                   |                                                                                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AMI230AF (Supports Sierra module) | Fanless box System with MB230AF, w/ Intel® Core™ i7/i5/i3 desktop Processor, 4x COM, 1x 8GB memory, 1x 2.5" 64GB MLC industrial-grade SSD, w/o power adaptor |
| 270W Power Adaptor Kit (optional) | 270W (24V@11.25A) power adaptor kit Compatible with IEC62368-1/EN62368-1                                                                                     |
| Optional Accessories              | Global 4G antenna kit for Sierra Wireless EM7565 module, M.2 (M-key 2280) Thermal kit                                                                        |

## Dimensions and Drawing



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