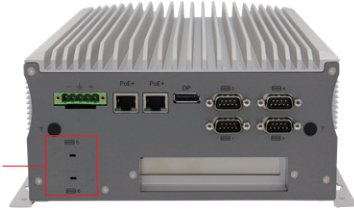




COM#5-6 from  
IP214 & IP215



## Features

- Fanless system with IBASE MB230 customized board
- 9th/8th Gen Intel® Core™ i7/i5/i3 Desktop Processors
- Dual SIM slots support WWAN redundancy
- 4x RJ45 Gigabit Ethernet port (2x supports 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)
- Flexible expansion slot system
- 2x 2.5" storage (supports RAID 0/1)

## 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 RS232/422/485 port for COM#1~COM#2<br>3x RS232 ports for COM#3~COM#4<br>2x RS232 ports for COM#5~6 from optional IP214/5<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<br>1x Expansion slot |
| Rear Panel External I/O  | 1x DVI-D + HDMI(1.4)<br>4x USB3.1 ports<br>2x Antenna holes<br>2x RJ45 Gigabit Ethernet port + Dual USB3.1 stack ports<br>1x Red HDD LED<br>1x power button with Green LED indicator<br>1x 2-pin terminal block<br>2x SIM card                                                                                                       |
| Expansion Slots          | 1x Flexible PCIe / PCI expansion slot<br>1x M.2 (B-key supports USB 2.0 for 4G/LTE)<br>1x M.2 (E-key supports PCIe + USB 2.0 for CNVi)<br>1x M.2 (M-key supports PCIe(4x) + SATA for NVMe SSD)                                                                                                                                       |
| Storage                  | 2x 2.5" HDD/SSD<br>1x M.2 (M-key supports PCIe(4x) + SATA for NVMe SSD)                                                                                                                                                                                                                                                              |
| Construction             | Aluminum & steel                                                                                                                                                                                                                                                                                                                     |
| Chassis Color            | Silver & Gray                                                                                                                                                                                                                                                                                                                        |
| Mounting                 | Desktop & wall mount                                                                                                                                                                                                                                                                                                                 |
| Dimensions               | 210mm (W) x 285mm (D) x 109mm (H)<br>8.27" (W) x 11.22" (D) x 4.29" (H)                                                                                                                                                                                                                                                              |
| Weight                   | 4.5 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% @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

|                                    |                                                                                                                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AMI231AFM (Supports Sierra module) | (AMI) Aluminum Chassis with MB230AF (Q370 PCH), Fanless Design, w/o CPU /memory/Storage/power adaptor. Supports 6x COM(from IP214/ IP215), mounting brackets, optional riser card |
| IP214 Riser Card Kit (optional)    | IP214 (ZM05IP214---0A1000P) w/ COM cable (2x C501PK1H009302A00P) for AMI221/AMI231                                                                                                |
| IP215 Riser Card Kit (optional)    | IP215 (ZM05IP215---0A1000P) w/ COM cable (2x C501PK1H009302A00P) for AMI221/AMI231                                                                                                |
| 330W Power Adaptor Kit (optional)  | 330W (24V@13.75A) 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

