



Rear I/O



TAIWAN
EXCELLENCE
2021

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) 4x USB 3.1 ports 2x Antenna holes 2x RJ45 Gigabit Ethernet ports + dual USB 3.1 ports 1x Red HDD LED 1x power button with Green LED indicator 1x 2-pin terminal block 2x SIM card
Rear Panel External I/O	2x RS232/422/485 port for COM#1~COM#2 2x RS232 ports for COM#3~COM#4 1x DisplayPort (1.2) 2x RJ45 Gigabit Ethernet port (supports 802.3at PoE+) 1x 5-pins DC-in terminal block type for 12V (±10%) or 18V (-10%)~24V (+10%) 2x Antenna holes
Expansion Slots	1x M.2 (B-key supports USB 2.0 for 4G/LTE) 1x M.2 (E-key supports PCI-E + USB 2.0 for CNV) 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) 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 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

