



Rear I/O



Features

- Compact fanless system with IBASE MB300 customized board
- 7th/6th Gen Intel® Core™ i7/i5/i3 Processors (35W TDP)
- 2MB MRAM module (optional)
- Front removable drive bay for HDD/SSD (supports RAID 0/1)
- Over/Under/Reverse voltage protection
- iSMART, iAMT (11.6)



Side Mounting



DIN-rail Mounting

Specifications

System Mainboard	MB300 with Intel® Q170 PCH
CPU Type	7th/6th Gen Intel® Core™ i7/i5/i3 desktop processors (35W TDP)
System Speed	Up to 3.4GHz
Memory	2x DDR4-2133 SO-DIMM, Max. 32GB
Front Panel External I/O	2x Antenna hole for WLAN module
Rear Panel External I/O	1x DVI-I + 1x DisplayPort connector 1x Audio jack for Line-out 4x USB 3.0 ports, 2x USB 2.0 ports 1x Red HDD LED, 1x green power LED 2x Error LED by programming 1x power button 1x 2-pin terminal block for external power button 1x RS232/422/485 port for COM#1 1x RS232 port for COM#2 2x RJ45 Gigabit Ethernet port 1x 3-pin DC-in terminal block for 24V (± 10%)
Expansion Slots	1x Mini PCI-E socket (full-size)
Storage	2x 2.5" HDD/SSD (1x internal & 1x external-accessible) + 1x mSATA socket
Construction	Aluminum & steel
Chassis Color	Silver & Gray
Mounting	Desktop or wall mounting (wall mount kit included) Side mounting DIN-rail mounting (optional)
Dimensions	275mm (W) x 140mm (D) x 70mm (H) 10.83" (W) x 5.51" (D) x 2.76" (H)
Weight	2.7kg
Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F) *with airflow -10°C ~ 50°C (14°F to 122°F) without airflow

Storage Temperature	-20°C ~ 80°C (-4°F to 176°F)
Relative Humidity	5~90% @ 45°C, (non-condensing)
Vibration	Operating: 3 grms / 5~500Hz / random operation (storage is mSATA)
Shock	Operating: 20 g / 11 ms Non-operating: 40 g / 11 ms
Certification	CE / LVD / FCC Class B

Ordering Information

AMS300	Fanless System with MB300, w/ Intel® Core™ i7/i5/i3 desktop Processor, 2x COM, 2x 4GB memory, 1x 2.5" 64GB MLC industrial-grade SSD, w/o power adaptor
180W power adaptor (optional)	180W (24V @ 7.5A) power adaptor, bare wire type Compatible with IEC62368-1/EN62368-1
2nd storage ACC Kit (optional)	Storage ACC Kit including screws and cable (SC2AMS300-A10100R)
Optional Accessories	WiFi/BT antenna kit 4G/LTE antenna kit (Must have M2MU2-S) GPS antenna kit (Must have M2MU2-S)

Dimensions and Drawing

