

AMS300S / AMS302S

Compact Expandable Fanless System

LGA1151 Intel® Gen 7th/6th Core™ i7/i5/i3 Desktop Processors (35W TDP)



Extended Lifetime



AMS300S



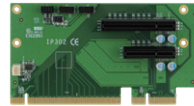
AMS302S

Specifications

System Mainboard	MB300S with Intel® Q170 PCH
CPU Type	LGA1151 7th/6th Gen Intel® Core™ i7/i5/i3 desktop processors (35W TDP)
System Speed	Up to 3.4GHz
Memory	2x DDR4 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 PCIe sockets (full-size) 1x PCIe (x8) slot + 1x PCIe (x4) slot [For AMS302]
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 mount (wall mount kit included)
Dimensions	AMS300S: 275mm (W) x 140mm (D) x 70mm (H) 10.83" (W) x 5.51" (D) x 2.76" (H) AMS302S: 275mm (W) x 140mm (D) x 117mm (H) 10.83" (W) x 5.51" (D) x 4.61" (H)
Weight	2.7 kg for AMS300S; 3.3 kg for AMS302S
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	Non-Operating: 1.0 grms / 5~500Hz / random operation Operating: 0.25 grms / 5~500Hz / random operation
Shock	Operating: 20 g / 11 ms Non-operating: 40 g / 11 ms
Certification	CE / LVD / FCC Class B

Features

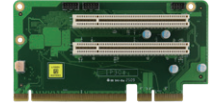
- Fanless system with IBASE MB300S board
- LGA1151 Intel® Core™ i7/i5/i3 Processors (35W TDP)
- Front removable drive bay for HDD/SSD (supports RAID 0/1)
- Over/Under/Reverse voltage protection
- Supports DIN-rail mount & wall mount
- iSMART, iAMT (11.6)
- 1x PCIe (x8) + 1x PCIe (x4) expansion slot (For AMS302)



IP302 Riser card



IP303 Riser card



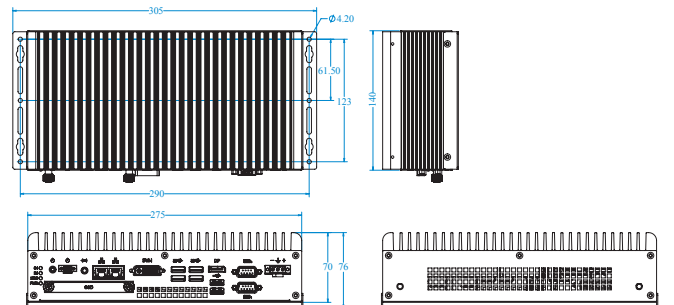
IP304 Riser card

Ordering Information

AMS300MS	Fanless System with MB300S, 2x COM Optional Intel® Core™ i7/i5/i3 desktop Processor, DDR4 memory, 2.5" 64GB MLC industrial-grade SSD, Power adaptor
AMS302MS	Fanless System with MB300S, 2x COM Optional Intel® Core™ i7/i5/i3 desktop Processor, DDR4 memory, 2.5" 64GB MLC industrial-grade SSD, Power adaptor 1x PCIe (x8) + 1x PCIe (x4) expansion slots
AMS302MS-PCI	Fanless System with MB300S, 2x COM, w/ IP304, Optional Intel® Core™ i7/i5/i3 desktop Processor, DDR4 memory, 2.5" 64GB MLC industrial-grade SSD, Power adaptor, 2x PCIe expansion slots
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)

Dimensions and Drawing

AMS300S



AMS302S

