AMS300

Compact Expandable Fanless System

Expandable Fanless & Compact System for 7th/6th Generation Intel® Core™ i7/i5/i3 Desktop Processors

NEW | iSMART | Fanless

Features

- Compact Fanless system by for IBASE MB300 customized board
- Supports 7th/6th Generation Intel® Core™ i7/i5/i3 processors
- 2MB MRAM module (optional)
- Front removable drive bay for HDD/SSD (supports RAID 0/1)
- Over/Under/Reverse voltage protection
- iSMART, iAMT (11.6)

Specifications

System Mainboard	MB300 with Intel® Q170 PCH
CPU Type	7th/6th Generation Intel® Core™ i7/i5/i3 Desktop processors
System Speed	Up to 3.4GHz
Memory	2x DDR4-2133 SO-DIMM, Max. 32GB
Construction	Aluminum & steel
Chassis Color	Sliver
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 PWR 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 type for 24V
Expansion slots	1x Mini PCI-E socket (full-sized)
Storage	1x 2.5" SSD + 1x mSATA socket
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)
Operating Temperature	-10℃ to 60℃ (14°F~140°F)*With Air flow -10℃ to 50℃ (14°F to 122°F)
Storage Temperature	-20℃ to 80℃ (-4°F to 176°F)
Relative Humidity	5~90% @ 45℃, (non-condensing)
Vibration	Non-Operating: 1.0 grms / 5~500Hz / random operation Operatiing: 0.25 grms / 5~500Hz / random operation
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

Recommended Processor list

Model	TDP	Base Freq	Turbo Freq	Cache	Cores / Threads
i7-6700TE	35W	2.4 GHz	3.4 GHz	8M	4/8
i5-6500TE	35W	2.3 GHz	3.3 GHz	6M	4/4
i3-6100TE	35W	2.7 GHz	N/A	4M	2/4
G4400TE	35W	2.9 GHz	N/A	3M	2/2
G3900TE	35W	2.6 GHz	N/A	2M	2/2

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Features of New Automation Box PC

Based on 7th/6th Gen Intel® CPU (35W TDP)	Compact & Fanless	Onboard diagnostics LED
Supports different type of Fieldbus through expansion (AMS301)	2MB NVRAM (Optional)	Front-accessible drive bay (support RAID 0/1)
Remote Power button for remote access	24V input voltage (power protection)	Wallmount, Desktop or DIN mounting

Flexible Mounting

Side Mounting

DIN Rail Mounting

Dimensions and Drawing

305
Ø4.20
61.50
123
140
290
275
70 76

Remarks: 1. Specifications are subject to change without prior notice.   2. ODM/OEM is available.   3. For user's manual & datasheet download, visit www.ibase.com.tw.

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