



## Features

- Onboard Intel® Atom™ Processor D2550, 1.86 GHz
- Front access expansion slot opening
- RS-232 / 422 / 485 function preset with BIOS
- +12V~+24V with 3-pin terminal block or cylindrical DC input
- 1x CFast, 1x Mini PCI-E, 6x USB 2.0, 2x GbE ports
- 1x 2.5" HDD drive bay

## Specifications

CPU	Intel® Atom™ Processor D2550 1.86 GHz, 1MB Cache
Chipset	Intel® NM10 PCH
Memory	1x DDR3 non-ECC SODIMM, 800 MHz~1033 MHz, up to 4GB
LAN	2x Realtek 8111E-VL GbE controller
Expansion Slots	1x PCI or 1x PCI -E(x16) (x1 signal) 1x Mini PCI-E
Storage	1x 2.5" HDD drive bay, 1x CFast socket
USB	2x USB 2.0 ports on front panel 6x USB 2.0 ports on rear panel (AMS100-807-GT) 4x USB ports on rear panel (AMS100-807-PCI / PCIE)
Serial I/O	COM1~6 COM7~8 (optional)
Graphics	CPU built-in graphics core 1x DVI-I, 1x 24-bit single channel LVDS
LED	Power / HDD activity RS232 / RS422 / RS485 indicator
Power Supply	+12V~+24V DC-In terminal block
Dimensions	250mm(W) x 64mm(H) x 162mm(D)
Operating Temperature	0°C~ 45°C (32°F~113°F)
Storage Temperature	-20° ~ 70°C (-4°F~158°F)
Relative Humidity	5~95% @ 45°C, (non-condensing)
Certification	CE, FCC, CCC, KTI-CB

## Ordering Information

AMS100-807-PCI-M	Fanless system, NM10+D2550 1.86 GHz, Dual GbE LAN, PCI slot, barebone
AMS100-807-PCIE-M	Fanless system, NM10+D2550 1.86 GHz, Dual GbE LAN, PCI-E slot, barebone
AMS100-807-GT	Fanless system, NM10+D2550 1.86 GHz, Dual GbE LAN, PCI slot, Power switch, barebone
Power Adaptor	60 watts DC +12V, bare wire for terminal block connector
IB807	Intel® Atom™ D2550, NM10, Realtek 2x GbE, CFast socket, Mini PCI-E, +12V~+24V DC Input
IP807	PCI riser card for IB807
IP808	PCI-E riser card for IB807



AMS100-807-GT



AMS100-807

## AMS100-807 Intel® Atom™ Processor D2550-Based Fanless System

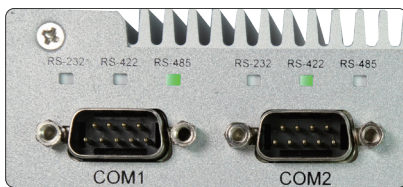
The AMS100-807 supplies a rich selection of I/O and expansion capabilities that include up to eight serial ports, six USB 2.0 ports, a CFast socket, a 2.5-inch HDD drive bay, and one PCI or PCI-E expansion slot. Networking functionality comes in the form of two Gigabit Ethernet ports. The system's serial and networking interface make it a good communication platform especially for industrial automation applications.

The standard configuration of the AMS100-807 has six serial ports. The RS-232/422/485 function is preset in the BIOS. The AMS100-807 can accept a +12V to +24V power via a 3-pin terminal block. The slim unit has dimensions of 250mm by 64mm by 162mm.

### AMS100-807 Series System Configurations

Model	Expansion Slot	COM1-6	COM7-8	USB Port	2.5" HDD	Memory
AMS100-807-PCI-M	PCI	Yes	Optional	Front x2 Rear x2	Optional	Optional
AMS100-807-PCI	PCI	Yes	Optional	Front x2 Rear x2	100GB Industrial-grade	2GB
AMS100-807-PCIE-M	PCI-E	Yes	Optional	Front x2 Rear x2	Optional	Optional
AMS100-807-PCIE	PCI-E	Yes	Optional	Front x2 Rear x2	100GB Industrial-grade	2GB
AMS100-807-GT	PCI	Yes	N/A	Front x2 Rear x4	Optional	Optional

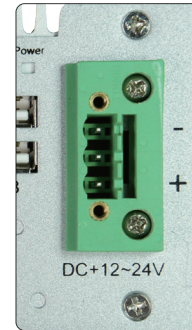
COM1 & COM2  
RS-232 / RS-422 / RS-485 Function Indicator



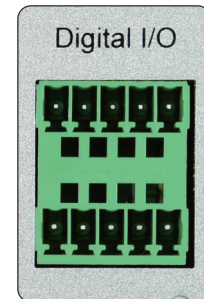
Full Height PCI or PCI-E Slot Opening



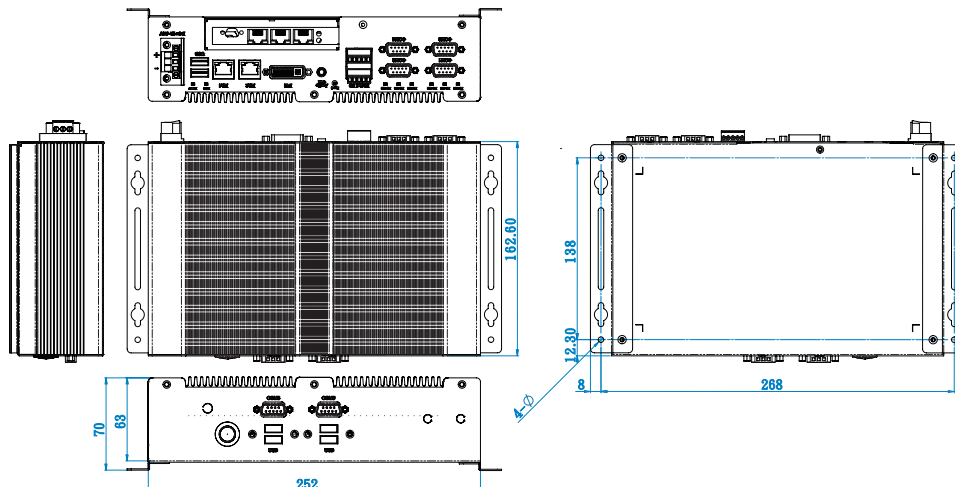
DC +12V~+24V Input



4-in & 4-out Digital I/O



### Dimensions & Drawing



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](http://www.ibase.com.tw).