



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

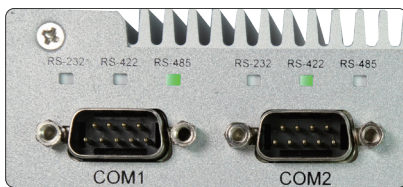
The AMS100-807 supplies a rich selection of I/O and expansion capabilities that include up to eight serial ports, six USB 2.0 ports, a CFast socket, a 2.5-inch HDD drive bay, and one PCI or PCI-E expansion slot. Networking functionality comes in the form of two Gigabit Ethernet ports. The system's serial 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 |

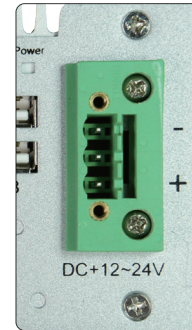
COM1 & COM2
RS-232 / RS-422 / RS-485 Function Indicator



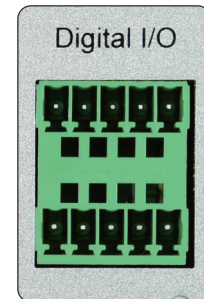
Full Height PCI or PCI-E Slot Opening



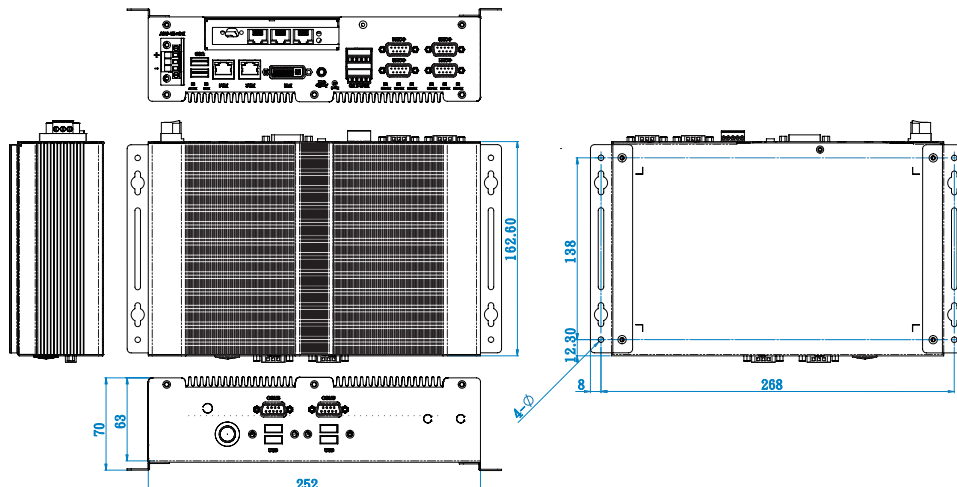
DC +12V~+24V Input



4-in & 4-out Digital IO



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.