

EPC-B3508

Embedded System Support Intel® 12th/13th/ 14th Gen. Core i9/i7/i5/i3 Platform



Features

- Support Intel 12th/ 13th/ 14th Gen. Core i9/i7/i5/i3
- 3U Embedded System with 2 PCIe expansion slots
- Support 3 x 2.5" SATA SSD or 2 x 3.5" SATA HDD
- Plentiful IO Ports for Various Applications
- NVIDIA qualified with RTX A4500 graphic card
- Win10/Win11 IoT, and Ubuntu 22.04 OS compatible

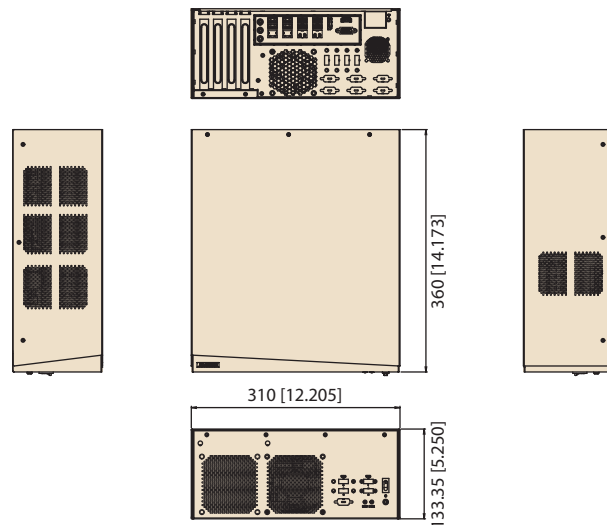
Specifications

| | | |
|-------------------------|---|---|
| Model Name | EPC-B3000 series | |
| Order Parts Number | EPC-B35080A-CNZS00 / EPC-B35080A-00ZS00 | |
| Description | Embedded AIMB Chassis with 350W ATX PSU | |
| Power Supplier | Flex-size | ATX 350W (115Vac @ 5.2A, 230Vac @ 2.5A) |
| System Thermal solution | CPU Cooler | CPU cooler |
| | System Fan | 1 + 1 (front, rear) |
| Processor System | CPU | Support Intel® 12th /13th/14th Gen. Core™ i9/i7/i5/i3 up to 65W |
| | BIOS | AMI BIOS UEFI 256 Mbits, SPI |
| | Chipset | Intel H610E |
| Memory | Socket | 2 x 288-pin DDR4 DIMM Sockets (Non-ECC) |
| | Technology | Dual Channel DDR4 3200 MHz SDRAM |
| | Max. Capacity | 64GB (32 GB per DIMM) |
| Graphics | Chipset integrated | Intel UHD Graphics 770, supports DirectX12, OpenGL 4.5 |
| Storage | SATA HDD/SSD | 4 (support 4x 2.5" HDD/SSD, max 9.5 mm height) or 2 (support 2x 3.5" HDD/SSD, max 26 mm height) |
| Ethernet | Interface | 100/1000/2500 Mbps |
| | Controller | GbE LAN1: i219V GbE LAN2: i226V |
| | Connector | 2 (RJ-45) |
| Expansion Slot | PCI | 2 Slots |
| | PCIe x4 | 1 Slot |
| | PCIe x16* | 1 Slot |
| Miscellaneous | LED Indicators | 2 (Power LED, HDD LED) |
| | Power Switch | 1 |
| Front Panel | USB (optional) | up to 4 (pre-cut) |
| | COM (optional) | up to 1 (pre-cut) |
| | Antenna (optional) | up to 2 (pre-cut) |
| Rear Panel | MB IO | Based on rear panel of MB |
| | USB | Up to 8 (4 USB 3.0, 4 USB 2.0) |
| | COM | Up to 6 |
| | AC-input | 1 |
| Environment | Operating Temperature | 0 ~ 40 °C (32 ~ 104 °F) |
| | Non-operating Temperature | -40 ~ 85 °C (-40 ~ 185 °F) |
| | Humidity | 10 ~ 85% @ 40 °C, non-condensing |
| | Vibration (5 ~5 00Hz) | 0.5 Grms (with HDD); 1 Grms (With SSD) |
| Dimensions (W x H x D) | 360 x 133.4 x 310 mm | |
| Weight | 9.3 kg | |

* Please check the power consumption of the system in advance if customers need to use PCIe x16 card.

Dimensions

Unit: mm



Front View



Rear View



Ordering Information

| PN | Description | CPU | Front IO | | | Rear IO | | | | | | | | TPM | Certificate |
|--------------------------------------|---|---|----------|-----|---------|---------|------|----|-----|-------------------|---------|-------------------------------|---------|-----|-------------|
| | | | USB3.0 | COM | Antenna | VGA | HDMI | DP | Lan | USB3.0/ USB2.0 | COM | Audio | Antenna | | |
| EPC-B35080A-CNZS00 (For ACN only) | Bare bone with 350W PSU, w/o CPU, RAM, SSD | Intel® 12th/ 13th/ 14th Gen. Core i9/i7/i5/i3 up to 65W | (4) | (2) | (2) | 1 | 1 | 1 | 2 | 4/4 | 1 + (5) | 3 (Line-out, Mic-In, Line-in) | (2)* | (1) | TBD |
| EPC-B35080A-00ZS00 | EPC-B3508 barebone with 350W PSU, w/o CPU, RAM, SSD | Intel® 12th/ 13th/14th Gen. Core i9/i7/i5/i3 up to 65W | (4) | (2) | (2) | 1 | 1 | 1 | 2 | 4 / 4 + (2) | 1 + (5) | 3 (Line-out, Mic-In, Line-in) | (2)* | 1** | TBD |

() means optional

()* default is "0", up to 2 ports

** External module (AIMB-TPMSPI-OIA1) is required

Packing List

| Item | Part Number | Quantity |
|-----------------------------|----------------|----------|
| CPU Cooler | 1970005349T001 | 1 |
| SATA1 Cable(180°) | 1700003194 | 1 |
| Screw M3x5L to fix 3.5" SSD | 1930060500 | 12 |
| Screw M3x5L to fix 2.5" SSD | 1930001241 | 16 |
| Rubber Foot | 1990012452S000 | 4 |
| M3x5 Screws for Rubber Foot | 1930003238 | 4 |
| Power Switch Cable | 1700018892 | 1 |
| HDD LED Cable | 1700030665-01 | 1 |
| Power LED Cable (3pin) | 1700030666-01 | 1 |
| Power LED Cable (2pin) | 1700035336-01 | 1 |

If there are any changes to the accessories listed, the actual items shipped will take precedence.

Optional Accessory

| Item | Part Number | Description |
|------------|--------------------|---|
| GPIO Cable | 1700034192-01 | F Cable IDE#2 5P-2.0/D-SUB 9P(F) with shield (50CM) |
| USB Cable | 1700011592 | 2 ports USB2.0 Cable with 2.54 pitch (50CM) |
| | 1700029719-01 | 2 ports USB3.0 Cable with 2.0 pitch (30CM) |
| COM Cable | 1700029987-01 | 1 port COM Cable with 2.54 pitch (65CM) |
| | 17AD14GS1400013V04 | 4 in 1 COM cable with 2.0 pitch (50CM) |
| Fixed kit | EPC-ACSB-GRA10 | EPC-B3000 series for graphics card accessory |
| Other PSU | 96PS-A500WFXG | A/D 100-240V 500W FLEX ATX Gold 62368 |