# EPC-B2275

## Embedded Mini-ITX Chassis with One Expansion Slot

## Features

- Supports Intel® 7th & 6th Gen Core™ i processor (LGA1151) with Intel Q170
- Two 260-pin SO-DIMM up to 32GB DDR4 2133 MHz SDRAM
- Supports triple display of VGA/DP/HDMI
- One expansion slot (low profile)
- Reserved 4 USB, 1 COM, punchouts on front panel
- Two Shock Resistant 2.5" drive bays
- Two SKUs, to support both ATX power supply & AC-DC power adaptor

- Note: CE (No RED certification)

## Specifications

| Model Name | | EPC-B2000 | | | | | EPC-B2000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Order Number | | AIMB-B2275SG-15ZE | | | | | AIMB-B2275SG-00YE | | | | |
| Drive Bay | Slim Optical Disk Drive and HDD | 2.5" HDD*2 or 2.5" HDD*1 + slim ODD*1 | | | | | 2.5" HDD*2 or 2.5" HDD*1 + slim ODD*1 | | | | |
| Cooling | Fan | 2 (7cm/39.45CFM each) / 1 CPU Cooler | | | | | 1 (7cm/39.45CFM) / 1 CPU Cooler | | | | |
| System Spec | CPU | i7-7700/ 7700T | i7-6700/ i7-6700TE | i5-7500/ i5-7500T | i5-6500/ i5-6500TE | i3-7101/ i3-7101TE | i3-6100/ i3-6100TE | Pentium G4400 | Pentium G4400TE | Celeron G3900 | Celeron G3900TE |
| | Core Number | 4/4 | 4/4 | 4/4 | 4/4 | 2/2 | 2/2 | 2 | 2 | 2 | 2 |
| | Max Speed | 3.6GHz/ 2.9GHz | 3.4GHz/ 2.4GHz | 3.4GHz/ 2.7GHz | 3.2GHz/ 2.3GHz | 3.9GHz/ 3.4GHz | 3.7GHz/ 2.7GHz | 3.3G | 2.4G | 2.8G | 2.6G |
| | TDP | 65W/35W | 65W/35W | 65W/35W | 65W/35W | 54W/35W | 51W/35W | 54W | 35W | 51W | 35W |
| | Memory | Two 260-pin SO-DIMM up to 32GB DDR4 2133 MHz SDRAM | | | | | | | | | |
| Front IO | USB | 4 (Optional) | | | | | 4 (Optional) | | | | |
| | Serial | 1 (Optional) | | | | | 1 (Optional) | | | | |
| | WLAN Antenna | 2 (Optional) | | | | | 2 (Optional) | | | | |
| | Miscellaneous | Power and HDD LED x1 , RST Button x1, Power Switch x1 | | | | | | | | | |
| Rear IO | CRT | 1 | | | | | 1 | | | | |
| | HDMI | 1 (HDMI 2.0 or HDMI 1.2) | | | | | 1 (HDMI 2.0 or HDMI 1.2) | | | | |
| | Display Port 1.2 | 1 | | | | | 1 | | | | |
| | Ethernet | 2 | | | | | 2 | | | | |
| | USB | 4 (USB 3.0) | | | | | 4 (USB 3.0) | | | | |
| | Audio | 3 (Mic in, Line out, Line in) | | | | | 3 (Mic in, Line out, Line in) | | | | |
| | Serial | 1 (RS232, supports 5V/12V) | | | | | 1 (RS232, supports 5V/12V) | | | | |
| | Phoenix Connector | 0 | | | | | 1 | | | | |
| | AC Power Input | 1 (100~240V AC input) | | | | | 0 | | | | |
| | Expansion slot | 1 (low profile) | | | | | 1 (low profile) | | | | |
| Environment | Operating Temperature | 0 ~ 40 °C (32 ~ 104 °F) | | | | | 0 ~ 40 °C (32 ~ 104 °F) | | | | |
| | Non-operating Temperature | -20 ~ 60 °C (-4 ~ 140 °F) | | | | | -20 ~ 60 °C (-4 ~ 140 °F) | | | | |
| | Humidity | 10 ~ 85% @ 40 °C, non-condensing | | | | | 10 ~ 85% @ 40 °C, non-condensing | | | | |
| | Vibration (5 ~ 500 Hz) | 1 Grms (HDD*1+ODD*1); 0.5 Grms (HDD*2) | | | | | 1 Grms (HDD*1+ODD*1); 0.5 Grms (HDD*2) | | | | |
| | Shock | 10G (with 11ms duration, half sine wave) | | | | | 10G (with 11ms duration, half sine wave) | | | | |
| | Certification | CE/FCC/CCC | | | | | CE/FCC/CCC | | | | |
| Physical Characteristics | Dimensions (W x H x D) | 250 x 98 x 255 mm (9.84" x 3.86" x 10.04") | | | | | 250 x 98 x 255 mm (9.84" x 3.86" x 10.04") | | | | |
| | Weight | 3.8 kg | | | | | 3.1 kg | | | | |

* Top drive bay supports max. 12.5mm height HDD or slim ODD; Bottom drive bay supports max. 9.5mm height HDD.

## Front View

## Internal View

## Rear View

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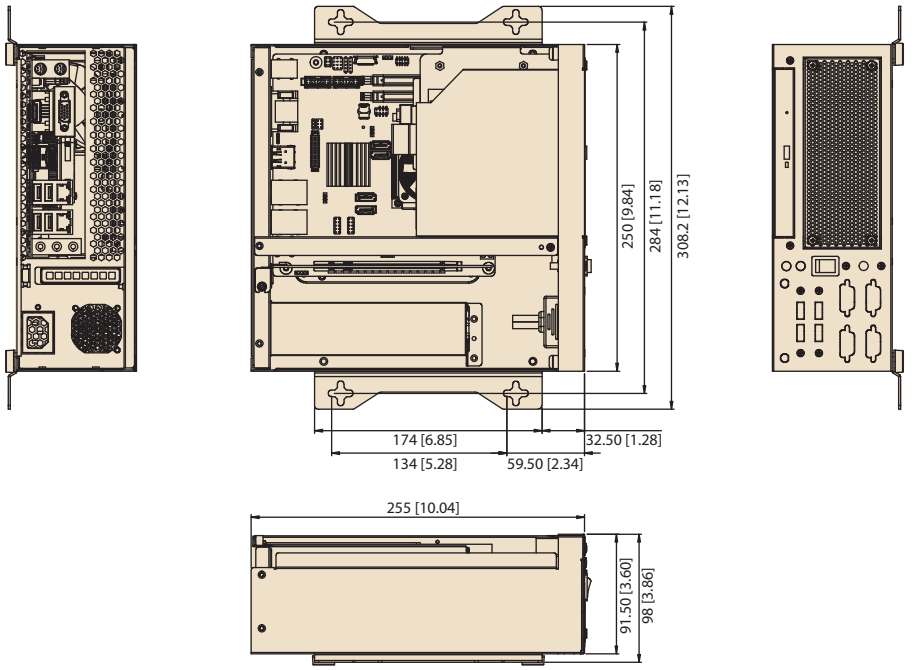
## Dimensions

Unit: mm [inch]




## Ordering Information

| Model Name | Part Number | Power Supply | Supported MB | Certification |
|---|---|---|---|---|
| EPC-B2000 | AIMB-B2275SG-15ZE | ATX 150W | AIMB-275G2-00A1E | CE/FCC/CCC |
| | AIMB-B2275SG-00YE | Optional external AC-DC Adaptor 120W with Phoenix Connector | AIMB-275G2-00A1E | CE/FCC/CCC |

## Power Supply Options

| Part Number | Watts | Input | Output | Safety |
|---|---|---|---|---|
| 96PSA-A150W19P4-1 | 150 W | AC 100 ~ 240 V | 19V, 7.89A | CE/FCC/CCC/UL/CB/TUV/KC/BSMI |
| 96PSA-A120W12P4 | 120W | AC 100 ~ 240 V | 12 V, 10A | CE/FCC/CCC/UL/CB/KC/PSE/GS/GOST R |

## Packing List

| Part Number | Description | AIMB-B2275-15ZE | AIMB-B2275-00YE |
|---|---|---|---|
| | | Quantity | |
| 1700018910 | SATA Cable | 2 | 2 |
| 1700021185-01 | SATA Power Cable (2 Ports) | 1 | 0 |
| 1700018785 | SATA Power Cable (MB type) | 0 | 1 |
| 1700023417-01 | Fan cable 3p to 4p | 2 | 1 |
| 1960057977N000 | HDD Holder FOR AIMB-B2000 | 1 | 1 |
| 1990015239T000 | Rubber Damper on HDD Holder | 4 | 4 |
| 1990009411T000 | Mylar 94X69 for HDD | 2 | 2 |
| 1930004607 | M3x4 Screws For HDD#1,#2 | 8 | 8 |
| 1930000002 | M4x8 Screws For HDD Holder | 4 | 4 |
| 1960014487T001 | Wall Mount Bracket | 2 | 2 |
| 1990012452S000 | Rubber Foot | 4 | 4 |
| 1930003238 | M3x5 Screws For Rubber Foot/ Wall Mount bracket | 4 | 4 |
| 1930006770-01 | Screws For M.2 module | 1 | 1 |
| 1930001071 | Screws For mPCIe module | 1 | 1 |
| 1935020330 | M2x3 Screws For Slim ODD | 4 | 4 |
| 1939000361 | M3x6 Screws For Main Board | 4 | 4 |
| 1960060732N001 | CPU Cooler | 1 | 1 |
| 2066B20000 | CD for AIMB-B2000 User Manual V1.00 | 1 | 1 |
| 2190000902 | CARDBOARD-WARRANTY REV. A2 | 1 | 1 |

## Optional Accessories

| Part Number | Description |
|---|---|
| 96SDVR-8X-ST-HL-B | Slim DVD-ROM |
| 1700023474-01 | 2 port USB cable, F10p/2.0, lock 10-pin(right-up), 345 mm |
| 1700025573-01 | 2 port USB 3.0 Cable A CABLE USB 3.0 A/M*2/2*10P 2.0 90D 20CM |
| 1700021703-01 | 1 port COM cable, F-10p/2.54, 180mm (w/o Bracket) |
| 1700018971 | SATA HDD cable |
| 1700021446-11 | SATA power cable for slim ODD for AIMB-B2275-15ZE |
| 1700023646-01 | SATA power cable for slim ODD for AIMB-B2275-00YE |
| 1700000596 | Power cable 3-pin 183cm, China type |
| 1702031801 | Power cable 3-pin 183cm, UK type |
| 1702002600 | Power cable 3-pin 183cm, USA type |
| 1702002605 | Power cable 3-pin 183cm, Europe type |