

# 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					
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

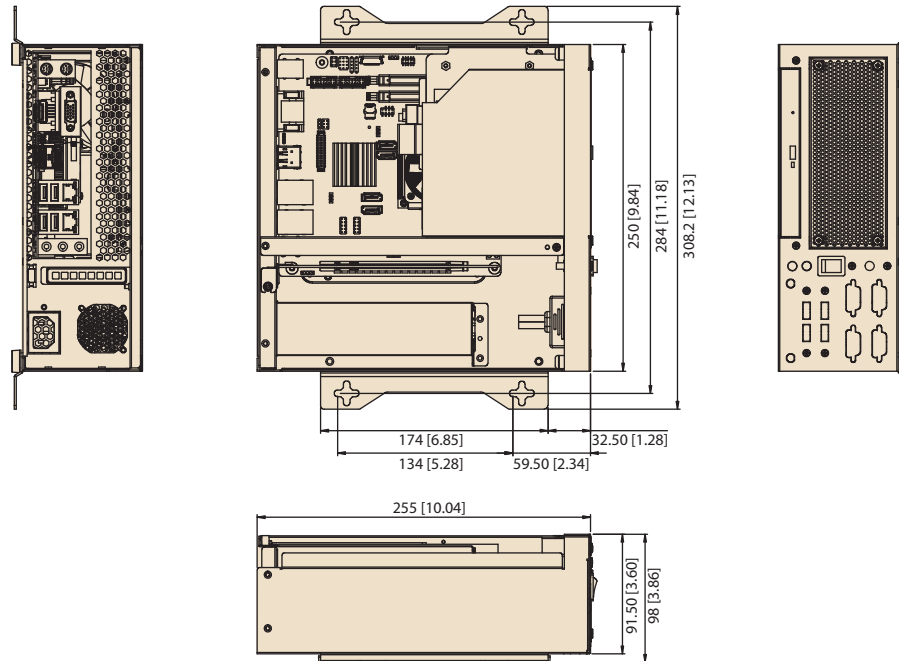


### Rear View



## 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-A150W19P4-4	150 W	AC 100 ~ 240 V	19V, 7.89A	CE/FCC/CCC/UL/CB/TUV/KC/BSMI

## 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