



Deviceon Embedded Mini-ITX Chassis with One Expansion Slot User Manual

[Home](#) » [Deviceon](#) » Deviceon Embedded Mini-ITX Chassis with One Expansion Slot User Manual 

Deviceon Embedded Mini-ITX Chassis with
One Expansion Slot User Manual

EPC-B2275

Embedded Mini-ITX Chassis with
One Expansion Slot



Contents

- [1 Features](#)
- [2 Specifications](#)
- [3 Front View](#)
- [4 Rear View](#)
- [5 Internal View](#)
- [6 Dimensions](#)
- [7 Ordering Information](#)
- [8 Power Supply Options](#)
- [9 Packing List](#)
- [10 Optional Accessories](#)
- [11 Documents / Resources](#)
 - [11.1 References](#)
- [12 Related Posts](#)

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



WISE-PaaS/ DeviceOn



- **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					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
	Core Number	4/4	4/4	4/4	4/4	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
	TDP	65W/35W	65W/35W	65W/35W	65W/35W	54W/35W	51W/35W	54W	35W	51W
	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			
Environment	Expansion slot	1 (low profile)					1 (low profile)			
	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)			
Physical Characteristics	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



Rear View

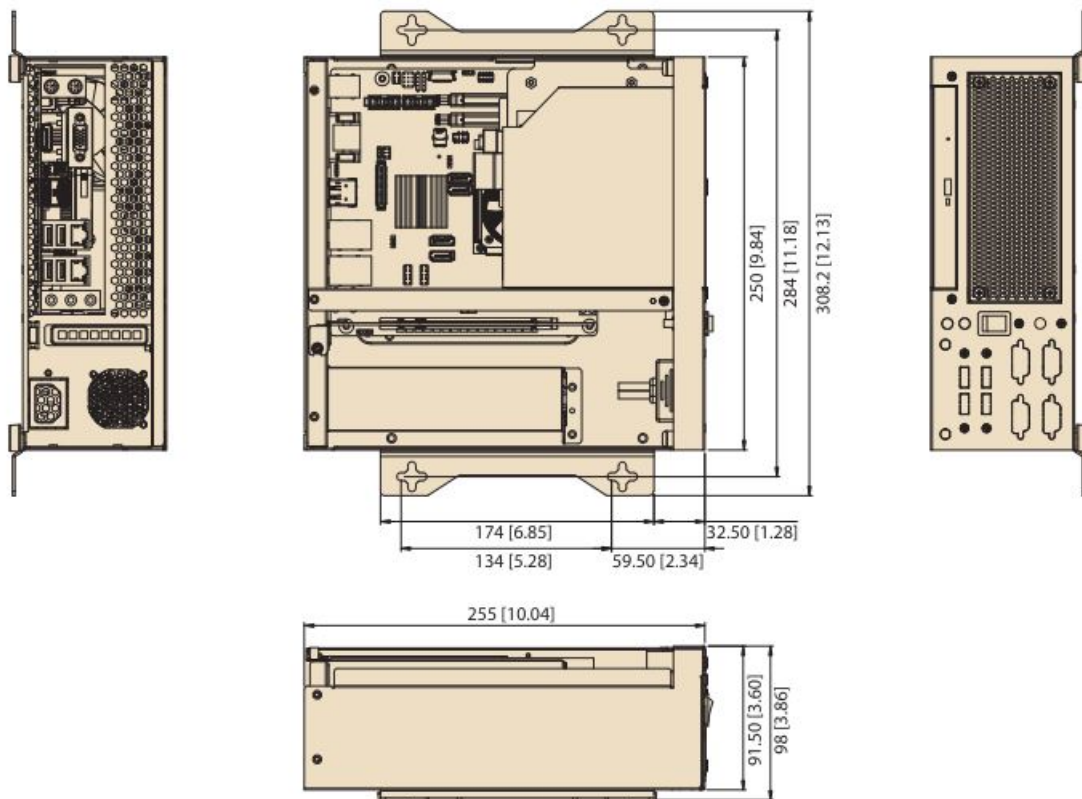


Internal View



All product specifications are subject to change without notice.

Dimensions



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

Online Download

www.advantech.com/products

Documents / Resources



[Deviceon Embedded Mini-ITX Chassis with One Expansion Slot](#) [pdf] User Manual
Embedded Mini-ITX Chassis with One Expansion Slot, B2275

References

- [A Advantech Co-Creating the Future of the IoT World](#)