

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



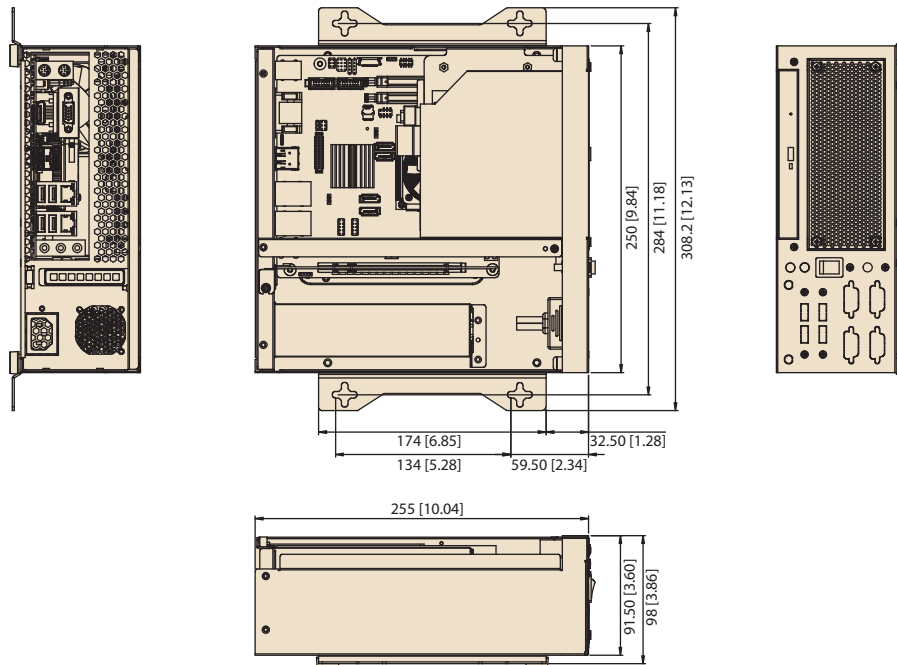
- Note: CE (No RED certification)

Specifications

Model Name	EPC-B2000 series	EPC-B2000 series	
Order Parts Number	AIMB-B2275SA-15Z02	AIMB-B2275SA-00Y02	
Barebone system	Description EPC-B2275 barebone, w/CPU; w/o HDD, SSD, power adapter, memory		
Processor System	Compatible Motherboard	AIMB-275	
	Thermal Solution	2 (7cm/39.45CFM each) / 1 CPU Cooler	1 (7cm/39.45CFM) / 1 CPU Cooler
	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	
	BIOS	AMI EFI 128 Mbit SPI	
Memory	Socket	2 x 260 PIN DDR4 SO-DIMM (Non-ECC)	
	Technology	2133/2400 MHz SDRAM	
	Max. Capacity	32GB (up to 16GB per SO-DIMM)	
Graphics	Chipset intergrated	Supports OpenGL 5.x, DirectX12, OpenCL 2.X	
	Independent Displays (Triple Display)	VGA+HDMI+DP++, VGA+DP+++LVDS(eDP), VAG+HDMI+LVDS (eDP), DP+++HDMI+LVDS (eDP)	
Storage	2.5" HDD bay	2.5" HDD*2 or 2.5" HDD*1 + slim ODD*1	2.5" HDD*2 or 2.5" HDD*1 + slim ODD*1
	mSATA Slot	1 (Full-size mini-PCIe)	1 (Full-size mini-PCIe)
Ethernet	Interface	10/100/1000 Mbps	
	Controller	GbE LAN1: Realtek i219LM GbE LAN2: Realtek i210AT	
	Connector	RJ-45 x2	
Audio	Chipset	Realtek ALC888S	
Internal expansion Slot	Mini-PCIe	1 (F/S x1, mSATA supported)	
	M.2	1 (B Key for SSD and 3G supported)	
Front Panel	USB	4 (Optional)	4 (Optional)
	COM	1 (Optional)	1 (Optional)
	Audio Jack	0	
	Antenna (optional)	2 (Optional)	2 (Optional)
Rear Panel	DP++	1	1
	HDMI	1 (HDMI 2.0 or HDMI 1.2)	1 (HDMI 2.0 or HDMI 1.2)
	LAN	2 RJ45 GbE	2 RJ45 GbE
	USB Type A	4 (USB 3.0)	4 (USB 3.0)
	Audio Jack	3 (Mic in, Line out, Line in)	3 (Mic in, Line out, Line in)
	Power Input	1 (100-240V AC input)	0
Miscellaneous	LED Indicators	2 (Power LED, HDD LED)	
	Control	1 (Power Switch); 1 (RST Button)	
Power Requirements	Voltage Power	100-240V AC input	12V DC-in
Environment	Operating Temperature	0 ~ 40 °C	0 ~ 40 °C
	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 (5-500Hz)	1 Grms (HDD*1+ODD*1); 0.5 Grms (HDD*2)	Grms (HDD*1+ODD*1); 0.5 Grms (HDD*2)
Dimensions (W x H x D)	250 x 98 x 255 mm (9.84" x 3.86" x 10.04")		
Weight	3.8 kg	3.1 kg	

Dimensions

Unit: mm [inch]



Front View



Internal View



Rear View



Ordering Information

Model Name	Part Number	Power Supply	Certification
EPC-B2000	AIMB-B2275SA-15Z02	ATX 150W	CE/FCC/CCC
	AIMB-B2275SA-00Y02	Optional external AC-DC Adaptor 120W with Phoenix Connector	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-B2275SA-15Z02	AIMB-B2275SA-00Y02
		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-B2275SA-15Z02
1700023646-01	SATA power cable for slim ODD for AIMB-B2275SA-00Y02
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