

EPC-B2276

Embedded System with Intel Coffee Lake Platform and One Expansion Slot



Features

- Supports Intel® 9th & 8th Gen Core™ i processor (LGA1151) with Intel Q370
- Two 260-pin SO-DIMM up to 32GB DDR4 2133 MHz SDRAM
- Supports triple display of 2x DP/HDMI
- One low-profile PCIe expansion slot
- Reserved 2 USB, 2 COM, punchouts on front panel
- One Shock Resistant 2.5" drive bays
- Support SUSI, WISE-DeviceOn and Edge AI Suite



WISE-PaaS/ DeviceOn



- Note: CE (No RED certification)

Specifications

Model Name	EPC-B2276							
Order Number	AIMB-B2276SA-15Y0E							
Drive Bay	Slim Optical Disk Drive and HDD							
Cooling	2.5" HDD*2 or 2.5" HDD*1 + slim ODD*1							
	Fan							
	2 (7cm/39.45CFM each) / 1 CPU Cooler							
System Spec	CPU	i7-9700E/ i7-9700TE	i7-8700/ i7-8700T	i5-9500E/ i5-9500TE	i5-8500/ i5-8500T	i3-9100E/ i3-9100TE	i3-8100/ i3-8100T	G5400/ G5400T
	Core Number	8/8	6/6	6/6	6/6	4/4	4/4	2/2
	Max Speed	2.6GHz/ 1.8GHz	3.2GHz/ 2.4GHz	3.0GHz/ 2.2GHz	3.0GHz/ 2.1GHz	3.1GHz/ 2.2GHz	3.6GHz/ 3.1GHz	3.7GHz/ 2.9GHz
	SmartCache	12MB/12MB	12MB/12MB	9MB/9MB	9MB/9MB	6MB/6MB	6MB/6MB	2MB/2MB
	TDP	65W/35W	65W/35W	65W/35W	65W/35W	65W/35W	65W/35W	58W/35W
	Chipset	Q370						
	BIOS	AMI EFI 256 Mbit SPI						
Front IO	USB	2 (Optional)						
	Serial	2 (Optional)						
	WLAN Antenna	2 (Optional)						
	Miscellaneous	Power and HDD LED x1 , RST Button x1, Power Switch x1						
Rear IO	HDMI	1 (HDMI 2.0a)						
	Display Port 1.2	2						
	LVDS	Supports dual channel 24-bit up to 1920 x 1200						
	Ethernet	2						
	USB	5 USB 3.1 + 2 USB 3.0						
	Audio	3 (Mic in, Line out, Line in)						
	Serial	2 (Optional, 1 x RS-232/422/485, 1 x RS-232, supports 5V/12V)						
	Power Input	1 (12V DC jack Input)						
Environment	Expansion slot	1 (low profile)						
	Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)						
	Non-operating Temperature	-20 ~ 60 °C (-4 ~ 140 °F)						
	Humidity	10 ~ 85% @ 40 °C, non-condensing						
	Vibration (5 ~ 500 Hz)	1 Grms (HDD*1+ODD*1); 0.5 Grms (HDD*2)						
	Shock	10G (with 11ms duration, half sine wave)						
Physical Characteristics	Certification	CE/FCC/BSMI						
	Dimensions (W x H x D)	250 x 98 x 255 mm (9.84" x 3.86" x 10.04")						
	Weight	3.8 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

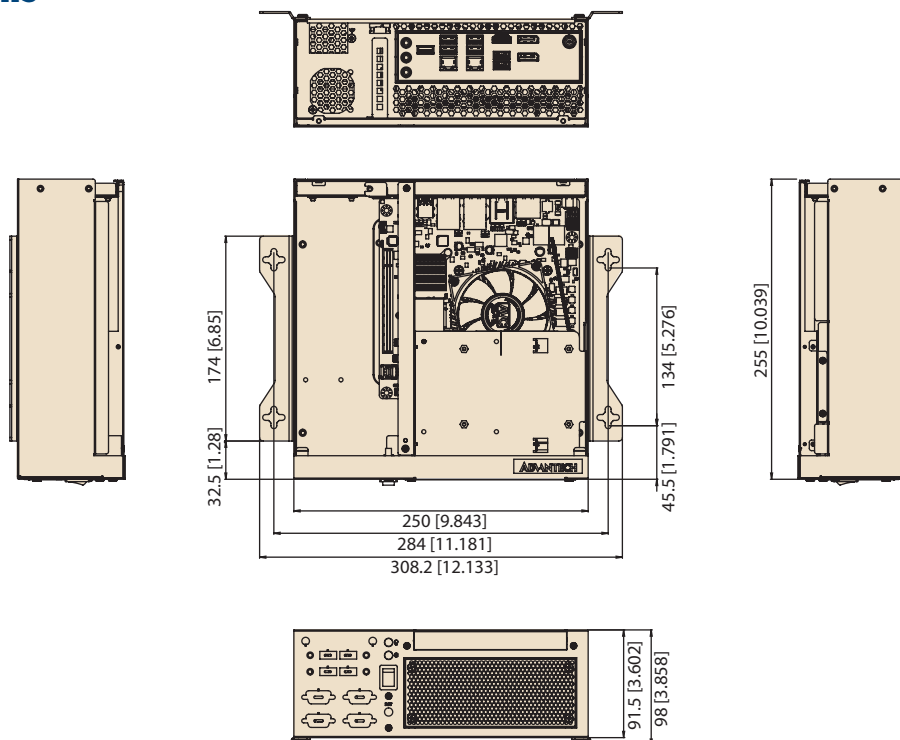


Rear View



Dimensions

Unit: mm [inch]



Ordering Information

Model Name	Part Number	Power Supply	Supported MB	Certification
EPC-B2276	AIMB-B2276SA-15Y0E	AC to DC adapter 150W with lockable DC JACK	AIMB-276G2-01A1E	CE/FCC/BSMI

Packing List

Part Number	Description	Quantity
1960060732N001	CPU Cooler	1
1700018971	SATA Cable	2
1700018785	SATA Power Cable (MB type)	2
1960057977N000	HDD Holder FOR AIMB-B2000	1
1990015239T000	Rubber Damper on HDD Holder	4
1990009411T000	Mylar 94X69 for HDD	2
1930004607	M3x4 Screws For HDD#1,#2	8
1930000002	M4x8 Screws For HDD Holder	4
1960014487T001	Wall Mount Bracket	2
1990012452S000	Rubber Foot	4
1930003238	M3x5 Screws For Rubber Foot/Wall Mount bracket	4
1930006770-01	Screws For M.2 module	1
1930001071	Screws For mPCIe module	1
1939000361	M3x6 Screws For Main Board	4

Optional Accessories

Part Number	Description
96SDVR-8X-ST-HL-B	Slim DVD-ROM
1935020330	M2x3 Screws For Slim ODD
1700023646-01	Power cable for slim ODD
1700025573-01	2 port USB 3.0 Cable
1700022363-01	1 port COM cable
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
1700000237	Power cable 3-pin 183 cm, Japan type
1700001714	Power cable 3-pin 183 cm, Taiwan type