

EPC-B2208

Embedded System Support Intel® 12th/
13th/ 14th Gen. Core i9/i7/i5/i3 Platform



Features

- Support Intel 12th/ 13th/ 14th Gen. Core i9/i7/i5/i3
- Two DDR4 3200MHz SODIMM and up-to 64GB
- Supports triple independent displays of 2x DP/HDMI/LVDS
- One low-profile PCIe expansion slot

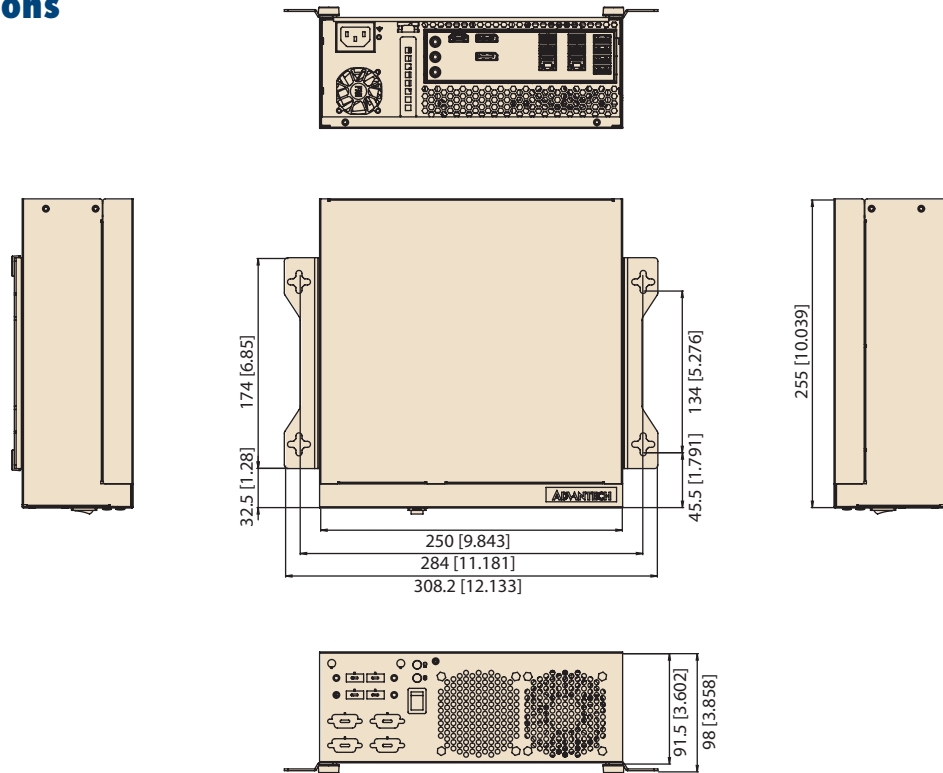
Specifications

Model Name	EPC-B2000 series	
Order Parts Number	EPC-B22080A-35ZS00 / EPC-B22080A-CNZS00	
Description	EPC-B2208 barebone with 350W PSU and Cooler, w/o CPU, RAM, SSD	
Power Supplier	Flex-size	ATX 350W (115Vac @ 5.2A, 230Vac @ 2.5A)
System Thermal solution	CPU Cooler	CPU cooler
	System Fan	2 (7cm/39.45CFM each)
Processor System	CPU	Support Intel® 12th /13th/14th Gen. Core™ i9/i7/i5/i3 up to 65W
	BIOS	AMI BIOS UEFI 256 Mbits, SPI
	Chipset	Intel H610E
Memory	Socket	2 x 260-pin DDR4 DIMM Sockets (Non-ECC)
	Technology	Dual Channel DDR4 3200 MHz SDRAM
	Max. Capacity	64GB (32 GB per DIMM)
Graphics	Chipset integrated	Intel® UHD Graphics 770/ 730/ 710 (depends on CPU model)
Storage	SATA HDD/SSD	2.5" SSD x 2
Ethernet	Interface	10/100/1000/2500
	Controller	GbE LAN1: i219V(10/100/1000 Mbps) GbE LAN2: i226V(10/100/1000/2500 Mbps)
	Connector	2 (RJ-45)
Expansion Slot	M.2	1 M-Key for SSD, 1 E-Key for Wireless connection
	PCIe x16	1 Slot
Miscellaneous	LED Indicators	2 (Power LED, HDD LED)
	Power Switch	1
Front Panel	USB (optional)	up to 4 (pre-cut)
		Up to 4 (pre-cut)
	COM (optional)	COM1: RS232 COM2:RS232/RS422/RS485 COM3:RS232 COM4:RS232
	Antenna (optional)	up to 2 (pre-cut)
Rear Panel	MB IO	Based on rear panel of MB
	USB	Up to 8 (4 USB 3.0, 4 USB 2.0)
	HDMI	1
	DP	2
	LAN	2 (RJ-45)
	Antenna (optional)	up to 2 (pre-cut)
	Speaker	up to 1 (pre-cut)
	AC-input	1
Environment	Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)
	Non-operating Temperature	-20 ~ 60 °C (-4 ~ 140 °F)
	Humidity	95% @ 40 °C, non-condensing
	Vibration (5 ~5 00Hz)	1 Grms (SSD*2)
Dimensions (W x H x D)	250 x 98 x 255 mm (9.84" x 3.86" x 10.04")	
Weight	5.0 kg	

Please check the power consumption of the system in advance if customers need to use PCIe x16 card.

Dimensions

Unit: mm [inch]



Front View



Rear View



Ordering Information

PN	Description	CPU	Front IO			Rear IO							TPM	Certificate
			USB3.0	COM	Antenna	HDMI	DP	Lan	USB3.0/USB2.0	Audio	Antenna			
EPC-B22080A-35ZS00	Bare bone with 350W PSU, w/o CPU, RAM, SSD	Intel® 12th/ 13th/ 14th Gen. Core i9/i7/i5/i3 up to 65W	(2)	(4)	(2)	1	1	2	4/4	3 (Line-out, Mic-In, Line-in)	(2)*	(1)	TBD	

() means optional

()* default is "0", up to 2 ports

Packing List

Part Number	Description	Quantity
1970005349T001	CPU cooler for Intel LGA 1700 socket	1
1700018971	SATA 1 Cable	1
1700003194-21	SATA Cable 60CM 180/180	1
1990009411T000	Mylar 94X69 for SSD	2
1960014487T001	Wall Mount Bracket	2
1930003238	M3x5 Screws For Rubber Foot/Wall Mount bracket	4
1930006770-01	Screws For M.2 module	1
1700034405-01	M Cable USB-A 4P(F)x2/2x5P-2.0 50cm	1

Optional Accessories

Part Number	Description
1700022989-01	2 port USB 3.0 Cable
1700031130-11	2 port COM cable
1700034192-01	1 port GPIO 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
1700034404-01	F Cable D-SUB 9P(M)/2x5P-2.0 50cm