EPC-B3508

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
- 3U Embedded System with 2 PCIe expansion slots
- Support 3 x 2.5" SATA SSD or 2 x 3.5" SATA HDD
- Plentiful IO Ports for Various Applications
- NVIDIA qualified with RTX A4500 graphic card
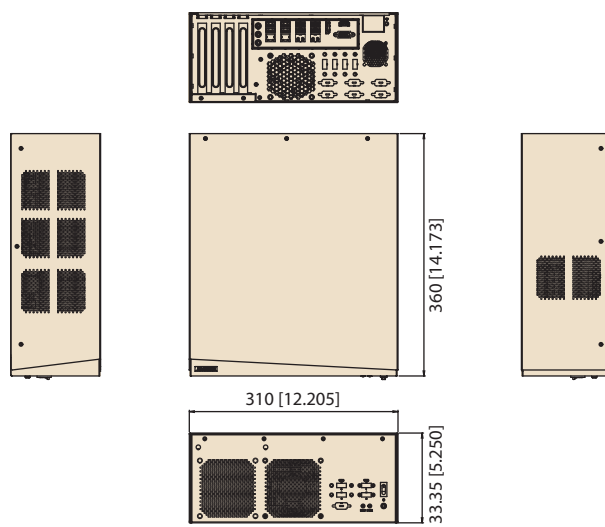- Win10/Win11 IoT, and Ubuntu 22.04 OS compatible

Specifications

Model Name		EPC-B3000 series
Order Parts Number		EPC-B35080A-CNZS00 / EPC-B35080A-00ZS00
Description		Embedded AIMB Chassis with 350W ATX PSU
Power Supplier	Flex-size	ATX 350W (115Vac @ 5.2A, 230Vac @ 2.5A)
System Thermal solution	CPU Cooler	CPU cooler
	System Fan	1 + 1 (front, rear)
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 288-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, supports DirectX12, OpenGL 4.5
Storage	SATA HDD/SSD	4 (support 4x 2.5" HDD/SSD, max 9.5 mm height) or 2 (support 2x 3.5" HDD/SSD, max 26 mm height)
Ethernet	Interface	100/1000/2500 Mbps
	Controller	GbE LAN1: i219V GbE LAN2: i226V
	Connector	2 (RJ-45)
Expansion Slot	PCI	2 Slots
	PCIe x4	1 Slot
	PCIe x16*	1 Slot
Miscellaneous	LED Indicators	2 (Power LED, HDD LED)
	Power Switch	1
Front Panel	USB (optional)	up to 4 (pre-cut)
	COM (optional)	up to 2 (pre-cut)
	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)
	COM	Up to 6
	AC-input	1
Environment	Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)
	Non-operating Temperature	-40 ~ 85 °C (-40 ~ 185 °F)
	Humidity	10 ~ 85% @ 40 °C, non-condensing
	Vibration (5 ~5 00Hz)	0.5 Grms (with HDD); 1 Grms (With SSD)
Dimensions (W x H x D)		360 x 133.4 x 310 mm
Weight		9.3 kg

* Please check the power consumption of the system in advance if customers need to use PCIEx16 card.

Dimensions

Unit: mm

360 [14.173]

310 [12.205]

133.35 [5.250]

Front View

Rear View

Ordering Information

| PN | Description | CPU | Front IO | | | Rear IO | | | | | | | | | TPM | Certificate |
			USB3.0	COM	Antenna	VGA	HDMI	DP	Lan	USB3.0/USB2.0	COM	Audio	Antenna		
EPC-B35080A-CNZS00	Bare bone with 350W PSU, w/o CPU, RAM, SSD	Intel® 12th/ 13th/ 14th Gen. Core i9/i7/i5/i3 up to 65W	(4)	(2)	(2)	1	1	1	2	4/4	6	3 (Line-out, Mic-In, Line-in)	(2)*	(1)	TBD
EPC-B35080A-00ZS00	EPC-B3508 barebone with 350W PSU, w/o CPU, RAM, SSD	Intel® 12th/ 13th/14th Gen. Core i9/i7/i5/i3 up to 65W	(4)	(2)	(2)	1	1	1	2	8/6	9	3 (Line-out, Mic-In, Line-in)	(2)*	1**	TBD

() means optional
()* default is "0", up to 2 ports
** External module (AIMB-TPMSPI-0IA1) is required

Packing List

Item	Part Number	Quantity
CPU Cooler	1970005349T001	1
SATA1 Cable(180°)	1700003194	1
Screw M3x5L to fix 3.5" SSD	1930060500	12
Screw M3x5L to fix 2.5" SSD	1930001241	16
Rubber Foot	1990012452S000	4
M3x5 Screws for Rubber Foot	1930003238	4
Power Switch Cable	1700018892	1
HDD LED Cable	1700030665-01	1
Power LED Cable (3pin)	1700030666-01	1
Power LED Cable (2pin)	1700035336-01	1

If there are any changes to the accessories listed, the actual items shipped will take precedence.

Optional Accessory

Item	Part Number	Description
GPIO Cable	1700034192-01	F Cable IDE#2 5P-2.0/D-SUB 9P(F) with shield (50CM)
USB Cable	1700011592	2 ports USB2.0 Cable with 2.54 pitch (50CM)
	1700029719-01	2 ports USB3.0 Cable with 2.0 pitch (30CM)
COM Cable	1700029987-01	1 port COM Cable with 2.54 pitch (65CM)
	17AD14GS1400013V04	4 in 1 COM cable with 2.0 pitch (50CM)
Fixed kit	EPC-ACSB-GRA10	EPC-B3000 series for graphics card accessory
Other PSU	96PS-A500WFXG	A/D 100-240V 500W FLEX ATX Gold 62368