

EPC-B3506

Embedded System Support Intel® 8th/ 9th Gen. Core i7/i5/i3 Platform



Features

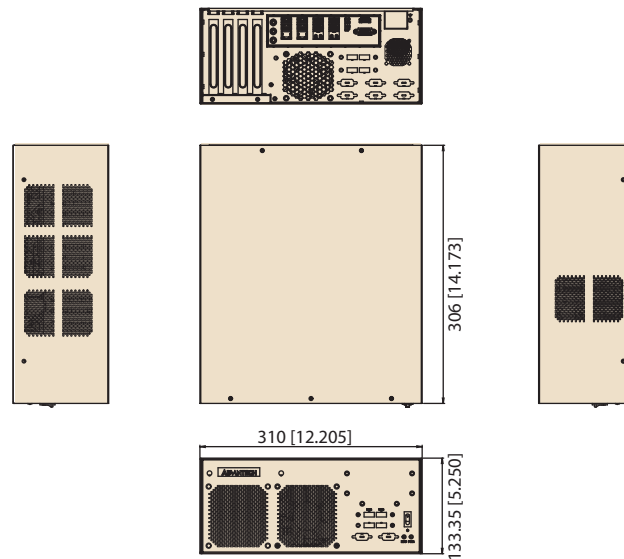
- Support Intel 8th/ 9th Gen. Core i7/i5/i3
- 3U Embedded System with 3 PCIe expansion slots
- Support 3 x 2.5" SATA SSD or 2 x 3.5" SATA HDD
- Plentiful IO Ports for Various Applications
- Win10 IoT, and Ubuntu 20.04 OS compatible

Specifications

Model Name	EPC-B3506 series		
Order Parts Number	EPC-B35060A-F0ZS00		EPC-B35060A-CNZS01
Barebone system	Description	Fan-base barebone, without CPU, RAM, HDD, SSD	
Dimensions (W x H x D)	Dimensions (W x H x D)	360 x 310 x 133.4 mm	
System Thermal solution	CPU Cooler	CPU cooler + system fan	
	System Fan	1 + 1 (front, rear)	
Processor System	CPU	Support Intel® 8th/ 9th Gen. Core™ i7/i5/i3 up to 65W	
	BIOS	AMI EFI 128 Mbit, SPI	
	Chipset	Intel H310	
Memory	Socket	2 x 288-pin DIMM (Non-ECC)	
	Technology	Dual Channel DDR4 2666 MHz SDRAM (Non-ECC)	
	Max. Capacity	64GB with 32GB per DIMM (Non-ECC)	
Graphics	Chipset integrated	Intel® HD Graphics, Supports OpenGL 5.x, DirectX12, OpenCL 2.X	
Storage	SATA ports with HDD bracket	3x 2.5" SSD (max 7 mm height) or 2x 3.5" HDD/SSD (max 26 mm height)	
	M.2 with B key	1 (B key, Type: 2242, 3042mm;)	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	GbE LAN1: Realtek 8119i GbE LAN2: Realtek 8119i	
	Connector	2 (RJ-45)	
Audio	Chipset	Realtek ALC888S, High Definition Audio(HD)	
	Audio Jack	2 (Mic-In, Line-out)	
Expansion Slot	PCI	2 Slots (32-bit/33 MHz)	
	PCIe x 1 (Gen3)	1 slot (1 GB/s per direction)	
	PCIe x16 (Gen3)	1 slot (16 GB/s per direction)	
Front Panel	USB	up to 4 (pre-cut, optional)	2 (USB 2.0) + 2 (pre-cut, optional)
	COM	up to 2 (pre-cut, optional)	2
	Antenna	up to 2 (pre-cut, optional)	0
	LED Indicators	2 (Power LED, HDD LED)	2 (Power LED, HDD LED)
	Power Switch	1 (Power Switch); 1 (Remote Power Switch)	1 (Power Switch); 1 (Remote Power Switch)
Rear Panel	VGA	1	1
	DVI-D	1	1
	Display port	1	1
	Ethernet	2 (RJ-45)	2 (RJ-45)
	USB	12 (8 USB 3.0, 4 USB 2.0)	8 (4 USB 3.0, 4 USB 2.0)
	Audio	2 (Mic-In, Line-out)	2 (Mic-In, Line-out)
	Expansion Serial (optional)	up to 6 (pre-cut)	up to 4 (pre-cut) (Don't include the 2 ports on front panel)
	Expansion USB (optional)	up to 8 (pre-cut) (include the 4 ports USB of front panel)	0
Power Requirements	Voltage Power Consumption	ATX 350W (100V _{AC} @ 5.2A, 240V _{AC} @ 2.5A)	
Environment	Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)	
	Non-operating Temperature	-40 ~ 85 °C (-40 ~ 185 °F)	
	Humidity Vibration (5 ~5 00Hz)		
	Humidity	10 ~ 85% @ 40 °C, non-condensing	
	Vibration (5 ~5 00Hz)	0.3 Grms (with 3.5"HDD); 1 Grms (With 2.5" SSD)	
Dimensions (W x H x D)	Dimensions (W x H x D)	360 x 310 x 133.4 mm	
Weight	Weight	15 kg	

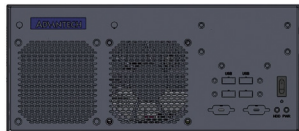
Dimensions

Unit: mm



Front View

EPC-B35060A-F0ZS00



Rear View

EPC-B35060A-CNZS01



Ordering Information

PN	Description	CPU	Front IO			Rear IO								Others				
			USB	COM	Antenna	VGA	DVI-D	DP	Lan	USB3.0/ USB2.0	Audio	Expansion Serial	Expansion USB	M.2	AMP	TPM	Expansion Slot	Certificate
EPC-B35060A-F0ZS00	Bare-bone PSU 350W, w/o CPU, RAM, Storages	Intel® 8th/ 9th Gen. Core i7/i5/i3 up to 65W	(4)*	(2)*	(2)*	1	1	1	2 (RJ-45)	8/4	2 (Mic-In, Line-out)	(14)**	(8)**	only Support SATA (B-key)	optional	optional	2 x PCI (32-bit/33 MHz) 1 x PCIe x1 (Gen3) 1 x PCIe x16 (Gen3)	CE, FCC, 3C
EPC-B35060A-CNZS01	Bare-bone PSU 350W, w/o CPU, RAM, Storages	Intel® 8th/ 9th Gen. Core i7/i5/i3 up to 65W	4	2	(2)*	1	1	1	2 (RJ-45)	4/4	2 (Mic-In, Line-out)	(4)*	0	only Support SATA (B-key)	X	X	2 x PCI (32-bit/33 MHz) 1 x PCIe x1 (Gen3) 1 x PCIe x16 (Gen3)	CE, FCC, 3C

Remark:

(4)* mean: default is "0", up to 4 ports

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

(4)** mean: default is "0", up to 8 ports (include 4 ports on Front IO)

(14)** mean: default is "0", up to 14 ports (include 2 ports on Front IO)

Packing List

Item	Part Number	Quantity
CPU Cooler	1960053207N001	1
SATA1 Cable (180°)	1700003194	3
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
USB2.0 cable	1700011592	2

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

Optional Accessory

Item	Part Number	Description
Power Cable	1700000596-11	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
USB Cable	1700000237-01	Power cable 3-pin 183cm, Japan type
	1700020710-02	2 ports USB2.0 Cable with 2.54 pitch
COM Cable	1700031615-01	2*D-SUB cable with 2.0 pitch (front panel/Rear panel)
	17AD14GS1400013V04	4*D-SUB cable with 2.0 pitch (Rear panel)
Fixed kit	EPC-ACSB-GRA10	EPC-B3000 series for graphics card accessory