

EPC-B3522

Embedded System with AMD AM4 Platform and 3 PCIE Expansion Slots



Features

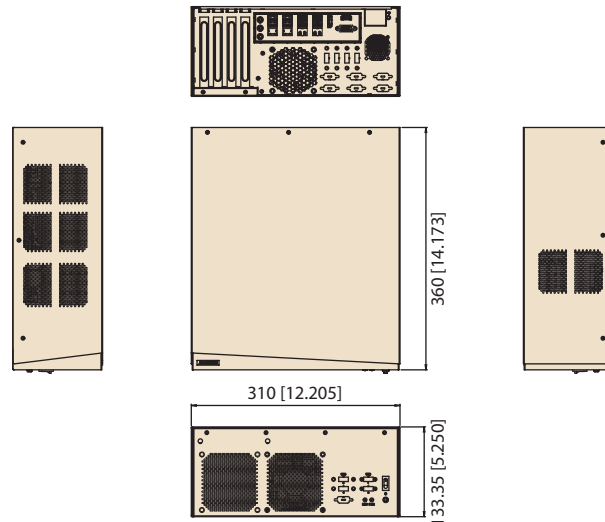
- AMD AM4 platform to support Ryzen™ 5000 series CPU
- 3U Embedded System with 3 PCIe expansion slots.
- Up-to 4x 2.5" SATA SSD
- To accommodate 500W PSU for different applications
- Plentiful IO Ports for Various Applications
- NVIDIA Certified with RTX A4500 graphic card
- Win10 IoT, and Ubuntu 20.04 OS compatible

Specifications

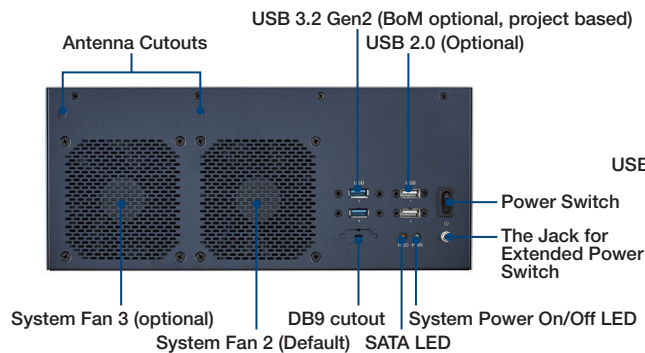
Model Name	EPC-B3522	
Motherboard	AIMB-522G4-00A1	
Dimensions (W x H x D)	Dimensions (W x H x D)	360 x 310 x 133.4 mm
System Thermal Design	CPU Cooler	CPU cooler
	PSU	500W
	System Fan	1
Environmental Conditions	Operating Temperature	0 ~ 40 °C (w/o Graphic card), 0 ~ 35 °C (with RTX-A4500)
	Non-operating Temperature	-20 ~ 60 °C
	Humidity	95% @ 40 °C, non-condensing
	Operating Shock	10G/11ms
CPU	Operating Random Vibration (5 ~ 500 Hz)	1.0Grms (w/o Expansion Cards)
	CPU	APU: Ryzen™ 7 5600G Ryzen™ 7 5700G CPU: Ryzen™ 9 5950X Ryzen™ 9 5900X Ryzen™ 7 5800X Ryzen™ Embedded 5950E Ryzen™ Embedded 5900E Ryzen™ Embedded 5800E
Chipset	Chipset	X570
Storage	Storage Bay	Up-to 4 2.5" SSD
Front IO	Power switch	1
	LED	1 Power LED 1 HDD LED
	Power remote Jack	1 2.5Φ Jack
	USB	Up-to 2 USB 2.0 (Optional)
	GPIO	1 8 bit GPIO via DB9 (Optional)
Rear IO (By Motherboard)	Display ports	VGA x1, HDMI x1, DP x1 (Only APU support the display function)
	USB	8 USB3.2 Gen2 x1
	Serial port	Up-to 6 COM (Optional)
	LAN	4 RJ45 GbE (2x 2.5GbE, 2x GbE)
	Audio	1 Mic-in, 1 Line-out
Certification	EMC / Safety / Certifications	CE / FCC (Class B) / CCC / CB / UL
Power Requirements		500W ATX / AT mode
Weight	Weight	6.8 kg
PCIE Expansions		1 PCIE x16
		2 PCIE x4

Dimensions

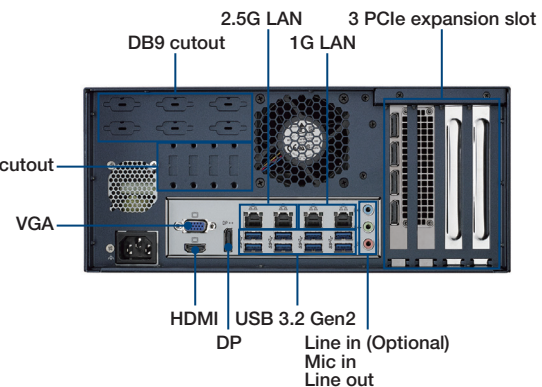
Unit: mm



Front View



Rear View



Ordering Information

Model	PSU	Chipset	UDIMM 288-Pin Slot	2.5" SATA Bay	Display Port	HDMI	VGA	Rear IO			Expansion	
EPC-B3522-AB40 Bare-bone	500W	X570	4	1	1	1	1	2.5 GbE	GbE	USB3.2 Gen2	PCIe x4	PCIe x16
EPC-B3522-GB40 Bare-bone with RTX A4500	500W	X570	4	1	1	1	1	2	2	8	2	1 (Occupied by RTX A4500)

Remarks

Bare-bone, w/o CPU, w/o RAM, w/o Storages

Packing List

Item	Part Number	Quantity
CPU Cooler	1970005287T001	1
2.5" Storage Metal Tray	1960106594N000	1
SATA2 Cable	1700004771	1
SATA1 Cable	1700033607-01	1
Screw M3x5L to fix 2.5" SSD and storage tray	1930001241	12
CABLE TIE (P.G. GT-160M)	1992822010	4

Embedded OS/API

OS/API	Part Number	Description
Ubuntu 20.04	20706U20DS0060	Ubuntu 20.04
Win10 IoT (High End)	20706WX9HS0161	For RYZEN9, RYZEN7
Win10 IoT (Value)	20706WX9VS0165	For RYZEN 5

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
	1700000237-01	Power cable 3-pin 183cm, Japan type
USB Cable	700019967-01	Front IO USB 1,2 Cable (USB 2.0)
COM Cable	1700034017-01	1 to 4 DB-9 cable
	1700033177-01	1 to 1 DB-9 cable
GPIO Cable	1700019967-01	8-bit GPIO cable