

EPC-B2210

Embedded System Support AMD Ryzen™ Embedded 8000 Series Processor



Features

- Support AMD Ryzen™ Embedded 8000 Series Processor
- Two DDR5 5600MT/s SODIMM and up to 96GB
- Supports Four independent display with 4 DP or 3 DP + 1 LVDS(or eDP)
- One low-profile PCIe expansion slot

Specifications

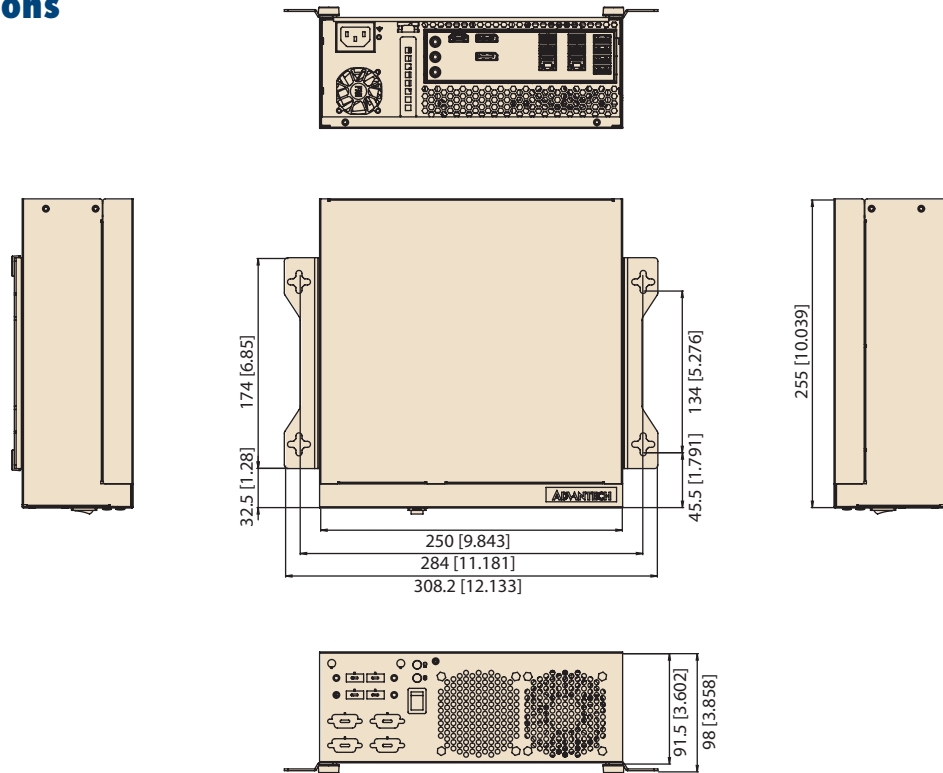
Model Name		EPC-B2000NA series		
Order Parts Number		EPC-B2210NA-35Z0E		
Description		EPC-B2210 barebone with 350W PSU and Cooler, w/o CPU, RAM, SSD		
Power Supplier	Flex-size	ATX 350W (115Vac @ 5.2A, 230Vac @ 2.5A)		
System Thermal solution	CPU Cooler	CPU cooler		
	System Fan	2 (7cm/39.45CFM each)		
Processor System	CPU	Support AMD Ryzen™ Embedded 8000 Series Processor, up to 28W		
	BIOS	AMI BIOS UEFI 256 Mbits, SPI		
Memory	Socket	2 x 260-pin DDR4 DIMM Sockets (support ECC)		
	Technology	Dual Channel DDR5 5600 MT/s		
	Max. Capacity	96GB (48 GB per DIMM)		
Graphics	Controller	AMD RDNA 3 Radeon Graphics		
Storage	SATA HDD/SSD	2.5" SSD x 2		
Ethernet	Interface	10/100/1000/2500 Mbps ^{#1}		
	Controller	GbE LAN1: RTL811K (10/100/1000 Mbps) GbE LAN2: RTL8125BG (10/100/1000/2500 Mbps) by optional		
	Connector	2 (RJ-45)		
Expansion Slot	M.2	2 x M-key (2242/2280, for SSD or Hailo), 1 x E-key (2230, for WiFi/BT)		
	PCIe	1 x PCIe x16 slot (real bandwidth PCIe x8 Gen4)		
Miscellaneous	LED Indicators	2 (Power LED, HDD LED)		
	Power Switch	1		
Front Panel	USB (optional)	up to 4 (pre-cut)		
	COM (optional)	up to 4 (pre-cut) COM1: RS232 COM2:RS232/RS422/RS485 (default is RS232) COM3:RS232 COM4:RS232		
		Antenna (optional)	up to 2 (pre-cut)	
		Rear Panel	MB IO	Based on rear panel of MB
			USB	4 (2 x USB 3.2 Gen2x1, 2 x USB 2.0)
DP	4			
LAN	2 (RJ-45)			
Antenna (optional)	up to 2 (pre-cut)			
Speaker	1			
Audio	1 x Line-Out, 1 x Mic-In			
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.

#1 LAN default 1 GbE x2; support 2.5 GbE by option

Dimensions

Unit: mm [inch]



Front View



Rear View



Ordering Information

PN	Description	Motherboard	CPU	Front IO			Rear IO					TPM	Certificate
				USB2.0	COM	Antenna	DP	Lan	USB3.2/ USB2.0	Audio	Antenna		
EPC-B2210NA-35Z0E	Bare bone with 350W PSU, w/o CPU, RAM, SSD	AIMB-2210R-03A1	AMD Ryzen™ Embedded 8640U	(4)	(4)	(2)	4	2	2/2	Line-Out, Mic-In	(2)	1	TBD

() means optional

Packing List

Part Number	Description	Q'ty
-	EPC-B2210 Unit	1
2006221000	User Manual	1
2190000902	Warranty card	1
1960089784T001	CPU Cooler (CPU TDP 35W, H: 45mm)	1
1700034404-01	1-to-1 COM cable	1
1700003194-21	SATA Cable	1
1990009411T000	Mylar 94X69 for SSD	2
1960014487T001	Wall Mount Bracket	2
1930003238	M3x5 Screws For Rubber Foot/Wall Mount bracket	4
19350304A0	M.2 Screw, M3x4L R/S D=5.3 H=2 (2+)	3
1960118411T001	I/O port bracket	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
1700034405-01	1-to-1 USB cable, 50cm
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