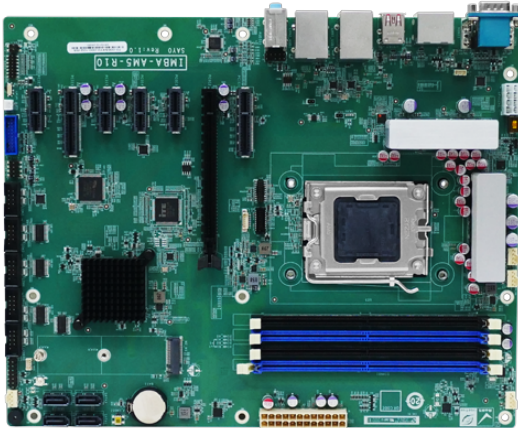


# IMBA-AM5

ATX motherboard supports AMD 7000&8000G PHX1 series processor, DDR5, triple independent displays, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS



## Features

- » ATX motherboard supports AMD 7000&8000G PHX1 series processor
- » Support four 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs supported up to 128GB
- » Triple independent display via HDMI™, DP
- » Support Dual Intel® I226V 2.5GbE controller
- » Support PCIe Gen4 x1, PCIe Gen4 x4, PCIe Gen4 x16, M.2 M key expansion

## Specifications

Form Factor	
Form Factor	ATX
System	
CPU	AMD Socket AM5 for AMD Ryzen™ 7000&8000G PHX1 Series Desktop Processors
Chipset	AMD B650
Memory	Four 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs supported up to 128GB
Cooling method / System Fan	1 x CPU fan connector (1x4 pin) 1 x PUMP fan connector (1x4 pin) 2 x System fan connector (1x4 pin)
Physical Characteristics	
Dimensions (LxWxH) (mm)	244 x 305
Net Weight	GW: 1200g / NW: 700g
Storage	
Storage	4 x SATA : 6Gb/s (RAID 0/1/10 supported)
I/O Interface	
Display Output	2 x HDMI™ : up to 4096 x 2304@30Hz 1 x Display Port : up to 4096 x 2304 @60Hz
Ethernet	2 x LAN - LAN1: Intel® I226V 2.5GbE controller LAN2: Intel® I226V 2.5GbE controller
Audio	HD Audio - Realtek ALC888S HD Audio codec supports 2.1-channel 3 x Audio jacks (line-out, line-in, mic-in) on rear IO 1 x Front audio (2x5 pin)
I/O Interface	1 x External RS-232/422/485 : RS-485 support AFC 4 x Internal RS-232 : 2x5 pin, P=2.54 1 x Internal RS-232/422/485 : RS-485 support AFC, 2x5 pin, P=2.54 2 x Internal USB 2.0 : 2x4 pin, P=2.54 1 x DIO : 12-bit digital I/O (2x7 pin) 4 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s 2 x Internal USB 3.2 Gen1x2 : 5Gb/s, 2x10 pin

	2 x External USB 3.2 Gen1x2 : Type-A, 5Gb/s
Expansion	1 x PCIe x16 : PCIe Gen4 x16 with x16 Signal(witn Ryzen8000G PHX1 only x8 Signal)
	2 x PCIe x4 : PCIe x4 open-end (Slot 3 & 4) Gen4
	4 x PCIe x1 : PCIe Gen4 x1 open-end
	1 x M.2(NGFF) : M Key (2242/2280, PCIe Gen4 x2) NVMe support
<b>Power</b>	
Power Consumption	3.3V@1.62A, 5V@11.63A, 12V@19.46A, 5VSB@0.04A
	(AMD Ryzen 9 7950X; AMD Ryzen 9 7900 CPU with Apacer D12.35306H.001 32GB DDR5 5600 CL46 memory)
Power Supply	Support AT/ATX mode
<b>Environment</b>	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing

## Ordering Information

IMBA-AM5-R10	ATX motherboard supports AMD 7000 series processor, DDR5, triple independent displays, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
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## Packing List

1 x IMBA-AM5 single board computer	1 x I/O Shielding
1 x SATA cable	1 x QIG