

IMB-AM5

micro-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

- » AMD Socket AM5 for AMD Ryzen™ 7000 & 8000G PHX1 Series Desktop Processors
- » Support four 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs supported up to 192GB
- » Triple independent display via dual 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	Micro-ATX
System	
CPU	AMD Socket AM5 for AMD Ryzen™ 7000 & 8000G PHX1 Series Desktop Processors
Memory	Four 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs, supported up to 192GB
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)	244mm x 244mm
Net Weight	GW: 1200g / NW: 700g
Storage	
Storage	4 x SATA : 6Gb/s
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® I226-V 2.5GbE controller LAN2: Intel® I226-V 2.5GbE controller
Audio	1 x HD Audio : 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2 x 5 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 4 x Internal USB 2.0 : 2x4 pin, P=2.54 1 x DIO : 12-bit digital I/O (2x7 pin) 2 x External USB 3.2 Gen2x1 : Type-A, 10Gb/s 4 x External USB 3.2 Gen1x2 : Type-A, 5Gb/s
Expansion	1 x PCIe x16 : PCIe x16 (Slot1) with x8 Signal Gen4 2 x PCIe x4 : PCIe x4 open-end Gen4 (slot3 will disable with Ryzen™ 8000G PHX1) 1 x PCIe x1 : PCIe x1 (Slot 2, PCIe Gen4 x1 signal) 2 x M.2(NGFF) - 1 x M.2 M Key (2242/2280, PCIe x4) NVMe support (disable with Ryzen™ 8000G PHX1) 1 x M.2 M Key (2242/2280, PCIe x2) NVMe support (NVME RAID 0/1 support)
Power	

Power Consumption	3.3V@1.66A, 5V@9.29A, 12V@16.33A, 5VSB@0.07A
	(AMD Ryzen™ 9 7950X 170W with Transcend JM5600ALE-16GB X4 memory, EuP mode disable)
Power Supply	Support AT/ATX mode
Environment	
Operating Temperature	0°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing

Ordering Information

IMB-AM5-R10	micro-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
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Packing List

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