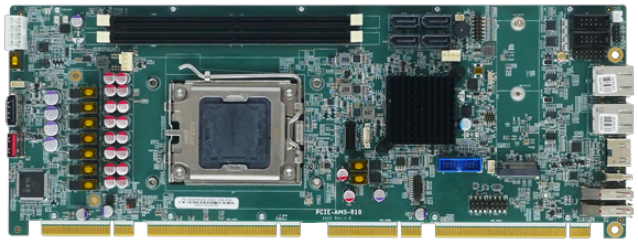
PCIE-AM5

Full-size PICMG 1.3 CPU Card supports AMD Ryzen™ 7000/8000 Series Desktop Processors, DDR5, dual Display, Dual Intel® 2.5GbE, USB3.2, M.2, RoHS



Features

» Full-size PICMG 1.3 CPU Card supports AMD 7000 & 8000G PHX1 series processor

» Support two 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs supported up to 64GB

» Support DisplayPort 1.4, HDMI™

» Support Dual Intel® I226V 2.5GbE controller

» Flexible expansion with full-size PICMG1.3 CPU board

Specifications

Form Factor	
Form Factor	Full Size Single Board Computer
System	
CPU	AMD Socket AM5 for AMD Ryzen™ 7000 & 8000G PHX1 Series Desktop Processors
Chipset	AMD A620
Memory	two 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs, supported up to 64GB
Cooling method / System Fan	1 x CPU fan connector (1x4 pin)
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Physical Characteristics	
Dimensions (LxWxH) (mm)	338 mm x 126 mm
Net Weight	GW:1000g / NW:500g
Storage	
Storage	4 x SATA : 6Gb/s (RAID 0/1/10 supported)
I/O Interface	
Display Output	1 x Display Port : internal 180° DP 1.4, 4K @60Hz
	1 x HDMI™ : 4K @30Hz
Ethernet	2 x LAN -
	LAN1: Intel® I226V 2.5GbE controller
	LAN2: Intel® I226V 2.5GbE controller
I/O Interface	1 x DIO : 12-bit digital I/O (2x7 pin)
	3 x External USB 3.2 Gen2x1 - 2 x USB 3.2 Gen2 (Type-A) 1 x Type C (10Gb/s)
	2 x Internal RS-232/422/485 : 2x5 pin, P=2.54
	8 x Internal USB 2.0 - 4 x USB 2.0 (2x4 pin, P=2.54) 4 x USB 2.0 to the backplane
	2 x Internal USB 3.2 Gen1x2 : 5Gb/s, 2x10 pin
	1 x Internal USB 3.2 Gen2x1 : 10Gb/s, internal Type A
Expansion	1 x M.2(NGFF) : M.2 M Key (2242/2280, PCIe Gen4 x4)
	NVMe support
	4 x PCIe x1 : signal via golden finger (support 1 x4, or 4 x1)
	1 x PCIe x16 : signal via golden finger (Support x16, or x8 + x8, or x4 + x4 + x4 + x4)
Power	

Power Supply	Support AT/ATX mode
Environment	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing

Ordering Information

PCIE-AM5-R10	Full-size PICMG 1.3 CPU Card supports AMD Ryzen™ 7000 Series Desktop Processors,DDR5 SO-DIMM, Triple Display,Dual Intel 2.5GbE,USB3.2,M.2,RoHS

Packing List

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