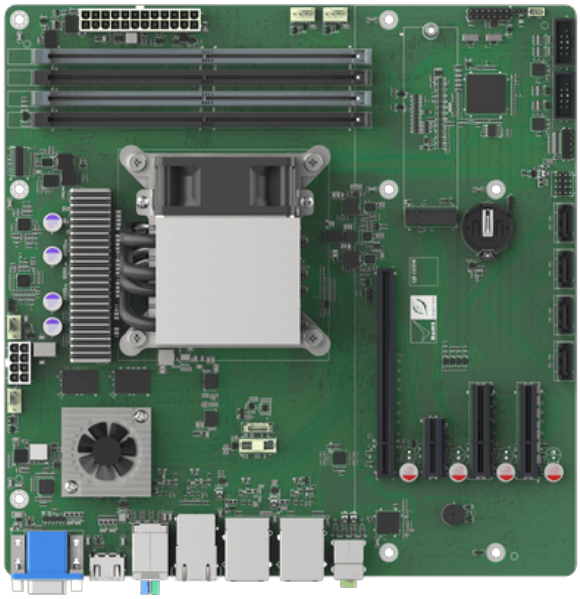
IMB-HG4

micro-ATX motherboard supports Hygon 3400 series processor



Features

» Supports Hygon 3400 series Processor

» Four 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs, ECC supported

» Support quad Motorcomm YT6801 GbE controller

» Support PCIe Gen5 x16, PCIe Gen4 x4, PCIe Gen4 x1 and M.2 M key expansion

Specifications

Form Factor	
Form Factor	Micro-ATX
System	
CPU	Hygon 3400 series
Memory	Four 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs, ECC supported
Cooling method / System Fan	1 x CPU fan connector (1x4 pin)
	1 x GPU 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™ (3840X2160@30Hz)
	1 x VGA (1920x1080@60Hz)
Ethernet	4 x LAN -
	LAN1: YT6801 1GbE controller
	LAN2: YT6801 1GbE controller
	LAN3: YT6801 1GbE controller
	LAN4: YT6801 1GbE controller
Audio	1 x Line out
	1 x Mic
I/O Interface	1 x DIO : 8-bit digital I/O (2x5 pin)
	2 x External USB 2.0 (Type-A)
	4 x External USB 3.2 Gen2x1 (Type-A, 10Gb/s)
	1 x I²C (1x4 pin)
	2 x Internal RS-232/422/485 (2x5 pin, P=2.54)
	2 x Internal USB 2.0 (2x4 pin, P=2.54)

	1 x PS/2
Expansion	1 x M.2(NGFF) : M Key 2280 (PCIe Gen4 x2 Signal)
	1 x PCIe x1 : Gen4 x1
	1 x PCIe x16 : Gen5 x16
	2 x PCIe x4 : Gen4 x4
Power	
Power Consumption	3.3V@3.28A,5V@8.96A, 12V@10.53A, 5Vsb@0.02A
	(Hygon C86-4G 3490, with DDR5 4800MHz U-DIMM 32GB)
Power Supply	ATX/AT power supply
	Support AT/ATX mode
	ErP/EuP Compliant
Environment	
Operating Temperature	0°C ~ 50°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing
Watchdog Timer	
Watchdog Timer	Software programmable supports 1~255 sec. system reset

Ordering Information

IMB-HG4-3490-R10	micro-ATX motherboard supports Hygon 3490 processor, DDR5, Dual independent displays, quad LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
IMB-HG4-3480-R10	micro-ATX motherboard supports Hygon 3480 processor, DDR5, Dual independent displays, quad LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
IMB-HG4-3450E-R10	micro-ATX motherboard supports Hygon 3450E processor, DDR5, Dual independent displays, quad LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
IMB-HG4-3430E-R10	micro-ATX motherboard supports Hygon 3430E processor, DDR5, Dual independent displays, quad LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS

Packing List

1 x IMB-HG4 single board computer	1 x I/O Shielding
2 x SATA cable	1 x QIG