



	4 x External USB 3.2 Gen2x1 : 10Gb/s (Type A)
Expansion	2 x PCIe x16 : Gen5 slot with x8 Signal
	3 x PCIe x4 : Gen4 open-end
	2 x PCIe x1 : Gen3 x1
	2 x M.2(NGFF) : M Key (2242/2280, PCIe x4) NVMe supported
<b>Power</b>	
Power Consumption	3.3V@0.89A, 5V@10.05A, 12V@6.05A, 5VSB@0.64A
	(Intel® Core™ i7-12700E CPU with four 16 GB 4800 MHz DDR5 memory, EuP mode enabled)
Power Supply	ATX/AT power supply
	Support AT/ATX mode
	ErP/EuP Compliant
<b>Environment</b>	
Operating Temperature	0°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing

## Ordering Information

IMBA-R680-R10	ATX motherboard supports LGA1700 12th/13th Generation Intel® Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR5, triple independent displays, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, and RoHS
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## Packing List

1 x IMBA-R680 single board computer	2 x SATA cable
1 x I/O shielding	1 x QIG