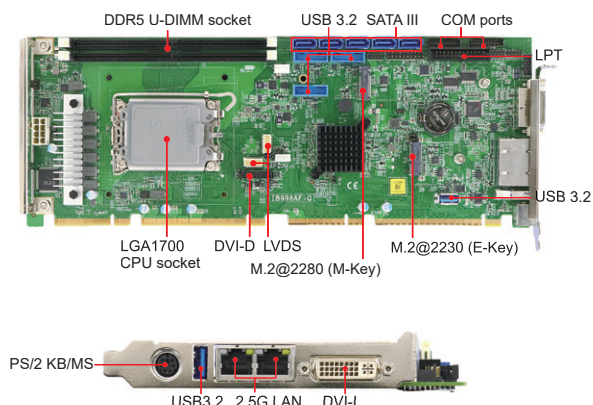




Specifications

CPU Socket	LGA1700
CPU	14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 processors
PCH	Intel® R680E/Q670E PCH
Memorys	2x DDR5-5600MHz DIMM, Max. 64GB, Non-ECC
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x M.2 (supports NVMe)
Expansion Slots	4x PCI, 4x PCIe (x1) or 1x PCIe (x4) 1x PCIe (x16) from backplane
Mini Type Slots	1x M.2 (M-Key, type:2280, supports NVMe) 1x M.2 (E-Key, type:2230, supports CNVi)
Graphics Controller	Intel® DT processor integrated Xe graphics
Video Output	Supports DVI-I, DVI-D, 24-bit dual channel LVDS
Ethernet	Intel® I226LM 2.5G LAN Intel® I226V 2.5G LAN (as 2nd LAN)
I/O Chipset	Fintek F81966AB-I
Serial Port	1x RS232/422/485 (jumperless selection), 3x RS232
USB 2.0	1x USB 2.0 via M.2 (E-Key)
USB 3.X	6x USB 3.2 on board 1x USB 3.2 on edge IO 1x USB 3.2 Type-A on board (vertical type)
Serial ATA	5x SATA III
Audio	Intel® PCH built-in HD audio controller + Realtek ALC888S codec
TPM	dTPM (2.0)
Others	Printer port, Digital I/O (4-in/ 4-out), RAID, iAMT (16.1)
Dimensions (L x W)	338mm x 126mm (13.3" x 4.96")
Max. Power Requirement	Intel® Core™ i9-14900 Processor, Up to 5.80GHz ATLA AD5LHC16PBA1-CCA w/ 2x DDR5 5600 16GB +3.3V : 1.24A +5V : 0.35A +5VSB : 0.08A +12V : 23.45A
Operating Temperature	0°C ~ 60°C(32°F ~ 140°F)
Storage Temperature	-20°C ~ 80°C(-4°F ~ 140°F)
Relative Humidity	90%(non-condensing @60°C)

Features

- 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 Desktop Processors
- 2x DDR5 DIMM, Max. 64GB
- 2x Intel® 2.5G LAN
- Intel® processor integrated Xe graphics, Supports DVI-I & LVDS & DVI-D
- 8x USB 3.2, 5x SATA III, 4x COM, 1x PS/2 for KB/MS
- 2x M.2 socket (M-Key/E-Key)
- Supports dTPM (2.0) & iAMT(16.1)

Ordering Information

IB996AF-Q	LGA1700 R680E/Q670E PICMG1.3 Full-Size CPU Card w/ DVI-I, LVDS, DVI-D, 2.5G LAN, iAMT (16.1), 5x SATA III
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Dimensions and Drawing

