



Features

- 4th Gen Intel® i7/i5/i3/ Pentium® / Celeron® processors, up to 3.4GHz
- 4x DDR3 DIMM, Max. 32GB
- Intel® processor integrated graphics, supports DVI-I, DVI-D and DisplayPort
- Dual Intel® Gigabit LAN
- 10x USB 2.0, 4x USB 3.0, 6x COM, 6x SATA III
- 4x PCI, 1x PCI-E (x16), 1x PCI-E (x4), 1xPCI-E (x1)
- Watchdog timer, Digital I/O, iAMT (9.0), vPro, iSMART

Specifications

CPU Socket	LGA1150
CPU	4th Gen Intel® Core™ i7/i5/i3/ Pentium® / Celeron® processors, up to 3.4GHz
PCH	Intel® Q87 PCH
Memory Types	4x DDR3 DIMM, Max. 32GB (Non-ECC)
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	N/A
Expansion Slots	4x PCI, 1x PCI-E (x16), 1x PCI-E (x4), 1x PCI-E (x1)
Mini Type Slots	N/A
Graphics Controller	4th Gen Intel® Core™ i7/i5/i3/ Pentium® processor integrated
Video Output	Supports DVI-I, DVI-D and DisplayPort
Ethernet	Intel® I217LM Gigabit LAN PHY Intel® I211AT PCI-E Gigabit LAN
LAN Connector	RJ-45 on board
I/O Chip	Fintek F81866AD-I
Serial Port	5x RS232, 1x RS232/422/485 (jumperless selection)
USB 2.0	2x USB 2.0 on board 8x USB 2.0 via pin-header
USB 3.0/ 3.1	4x USB 3.0 on board
Serial ATA	6x SATA III
Audio	Intel® Q87 PCH built-in HD audio + Realtek ALC892 codec
TPM	N/A
Others	Digital I/O (4-in/4-out), EuP/ErP, RAID, TPM (1.2), iAMT (9.0), iSMART
Dimensions (L x W)	305mm x 244mm (12" x 9.6")
Power Consumption	Intel® Core™ i7-4770 3.10GHz w/ 2x 4GB DDR3-1333 +12V: 4.98A; +5V: 1.07A; +5VSB: 0.08A; +3.3V: 0.72A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

Ordering Information

MB980VF	LGA1150 Q87 ATX motherboard w/ DVI-I, DVI-D, DisplayPort, dual Gigabit LAN, RAID, EuP/ErP compliant, iAMT (9.0), vPro, iSMART
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Dimensions and Drawing

