



Features

- 4th Gen Intel® Core™ i7/i5/i3 processor, up to 4.0GHz
- 2x DDR3-1600 SO-DIMM, Max.16GB
- Supports DVI-D, VGA and DisplayPort
- 2x Intel® PCI-E Gigabit LAN
- 2x USB 3.0, 6x USB 2.0, 6x COM, 2x SATA III, 2x SATA II
- 2x Mini PCI-E slots, 1x PCI-E (x16)
- Watchdog timer, Digital I/O, iSMART 3.0

Specifications

CPU Socket	LGA1150
CPU	4th Gen Intel® Core™ DT i7/i5/i3/Pentium® processors
PCH	Intel® H81 PCH
Memory Types	2x DDR3-1600 SO-DIMM, Max. 16GB (Non-ECC)
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	N/A
Expansion Slots	1x PCI-E (x16) slot
Mini Type Slots	2x Mini PCI-E (1x full-size, 1x half-size)
Graphics Controller	4th Gen Intel® Core™ DT i7/i5/i3/ Pentium processors integrated graphics
Video Output	Supports VGA, DVI-D and DisplayPort
Ethernet	Intel® I217LM Gigabit LAN PHY Intel® I211AT PCI-E Gigabit LAN (as 2nd LAN)
I/O Chip	Fintek F81866AD-I
Serial Port	1x RS232/422/485 (jumperless selection) 5x RS232
USB 2.0	4x USB 2.0 on board 2x USB 2.0 via pin header
USB 3.0/ 3.1	2x USB 3.0 on board
Serial ATA	4x SATA III
Audio	Intel® H81 PCH built-in HD audio controller + Realtek ALC892 with 7.1 channel
TPM	N/A
Others	Digital I/O [4-in/4-out], iSMART 3.0, EuP/ErP
Dimensions (L x W)	170mm x 170mm (6.7" x 6.7")
Power Consumption	Intel® Core™ i7-4770TE 2.3GHz w/ 2GB DDR3-1333 +12V: 3.54A; +5V: 1.28A; +5VSB: 0.23A; +3.3V: 0.46A
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

MI982EF	LGA1150 H81 Mini-ITX motherboard w/ VGA, DVI-D, DisplayPort, dual Gigabit LAN, EuP/ErP, iSMART (3.0)
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Dimensions and Drawing

