



Features

- 4th Generation 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(16x)
- Watchdog timer, Digital I/O, iSMART 3.0

System

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|-----------------|--|
| CPU | LGA1150 for 4th Generation Intel® Core™ DT i7/i5/i3/Pentium processors |
| System Memory | 2x DDR3-1600 SO-DIMM, Max 16GB (Non-ECC) |
| System Chipset | Intel® H81 PCH |
| BIOS | AMI BIOS |
| Watchdog Timer | 256 levels |
| SSD | N/A |
| H/W Monitor | Yes |
| Expansion Slots | 1x PCI-E(16x) slot 2x Mini PCI-E (1x full-sized, 1x half-sized) |

Graphics

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|-------------------|--|
| VGA Controller | 4th Generation Intel® Core™ DT i7/i5/i3/Pentium processors integrated graphics |
| VGA Memory | Max. shared memory-1024MB |
| Display Interface | Supports VGA, DVI-D and DisplayPort |

LAN

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|------------|---|
| Controller | Intel® I217LM Gigabit LAN PHY Intel® I211AT PCI-E Gigabit LAN (as 2nd LAN) |
| Connector | 2x RJ-45 on board |

Multi I/O

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|-------------|---|
| I/O Chipset | Fintek F81866AD-I 1x RS-232/422/485 (jumperless selection) 5x RS232, 4x SATA III |
| USB | 2 ports USB 3.0 on board 4 ports USB 2.0 on board 2 ports USB 2.0 via pin header |
| Audio | Intel® H81 PCH built-in High Definition Audio controller + Realtek ALC892 with 7.1 channel |
| Others | Digital I/O [4-in/4-out], iSMART 3.0, EuP/ErP |

Mechanical and Environmental

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|------------------------|---|
| Dimensions | 170mm x 170mm (6.7" x 6.7") |
| Max. Power Requirement | Intel® Core™ i7-4770TE 2.3 GHz w/ 2GB DDR3-1333 +3.3V: 0.46A +5V: 1.28A +5Vsb: 0.23A +12V: 3.54A |
| 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

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| 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

