



Specifications

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| CPU Socket | BGA1364 for 5th Gen Intel® mobile Core™ i7 QC processors |
| System Memory | 2x DDR3L SO-DIMM, Max. 16GB (Non-ECC) |
| System Chipset | Intel® QM87 PCH |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| SSD | N/A |
| H/W Monitor | Yes |
| Expansion Slot | 1x PCI-E(x16), 2x Mini PCI-E(x1) |
| VGA Controller | Intel® 5th Gen Core™ i7 integrated graphics supports CRT, DVI, DisplayPort, LVDS / eDP |
| VGA Memory | Max. Shared memory – 1024MB |
| Display Interface | Supports 24-bit dual-channel LVDS/eDP DVI-I, DVI-D, DisplayPort |
| LAN Controller | Intel® I218LM PHY Intel® I211AT PCI-E Gigabit LAN |
| LAN Connector | 2x RJ-45 on board |
| I/O Chipset | Fintek F81866AD-I 5x RS232, 1x RS232/422/485 (jumperless selection) |
| USB | 4x USB 3.0 on board 2x USB 2.0 on board 4x USB 2.0 via pin-header |
| Serial ATA | 4x SATA III 2x SATA II |
| Audio | Intel® QM87 PCH built-in HD audio controller + ALC892 with 7.1 channel |
| Others | Digital I/O (4-in/4-out), ATX power connector, iSMART |
| Dimensions | 170mm x 170mm (6.7" x 6.7") |
| Max. Power Requirement | Intel® Core™ i7-5850EQ 2.70GHz w/ 4GB DDR3L-1600 +12V: 3.37A; +5V: 0.83A; +5VSB: 0.08A; +3.3V: 0.51A |
| 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) |

Features

- Onboard 5th Gen Intel® Core™ i7 QC processors
- 2x DDR3L SO-DIMM, Max. 16GB
- Integrated graphics, supports DVI-I / DVI-D / LVDS / DisplayPort
- 2x Intel® PCI-E Gigabit LAN
- Watchdog timer, Digital I/O, TPM(2.0), iAMT(10.0), iSMART 3.1
- 6x USB 2.0, 4x USB 3.0, 6x COM, 4x SATA III, 2x SATA II
- 1x PCI-E(x16), 2x Mini PCI-E(x1)

Ordering Information

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| MI985AF-Q26 | BGA1364 Intel® QM87/Core™ i7-5700EQ (2.6GHz) Mini-ITX motherboard w/ DVI-I, DVI-D, DisplayPort, LVDS, dual Gigabit LAN, iAMT (10.0), TPM (2.0), iSMART |
| MI985AF-Q27e | BGA1364 Intel® QM87/Core™ i7-5850EQ (2.7GHz) Mini-ITX motherboard w/ DVI-I, DVI-D, DisplayPort, LVDS, dual Gigabit LAN, iAMT (10.0), TPM (2.0), iSMART |

Dimensions and Drawing

