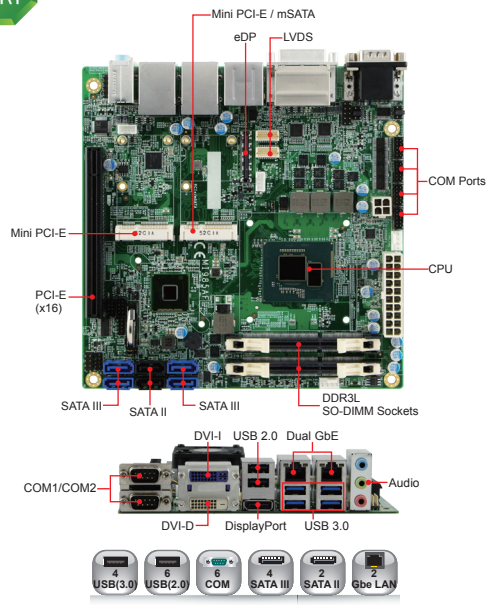
MI985

5th Generation Intel® Core™ H Mini-ITX Motherboard w/ Intel® QM87 PCH

iSMART



Features

- Onboard 5th Generation 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)

System

CPU	BGA1364 for 5th generation 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 Slots	1x PCI-E(x16), 2x Mini PCI-E(x1)

Graphics

VGA Controller	Intel® 5th generation 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
Connector	2x RJ-45 on board

Multi I/O

I/O Chipset	Fintek F81866AD-I 5x RS232, 1x RS-232/422/485 (jumperless selection) 4x SATA III, 2x SATA II
USB	2 ports on board 4 ports via pin-header (USB 2.0) 4 ports on board (USB 3.0)
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

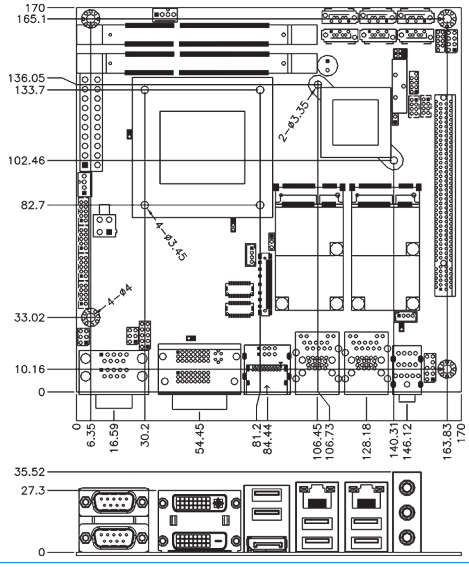
Mechanical and Environmental

Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	Intel® Core™ i7-5850EQ 2.70GHz w/ 4GB DDR3L-1600 +3.3V: 0.51A +5V: 0.83A +5Vsb: 0.08A +12V: 3.37A
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

MI985AF-Q26	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	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



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.