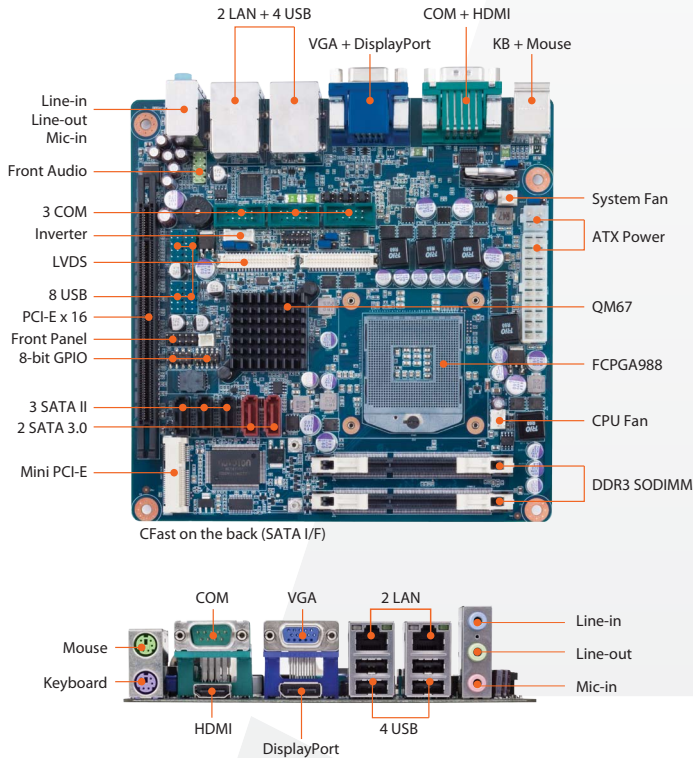


IQM67-IP

Intel® QM67 with Core™ i7/ i5/ i3 Mini-ITX Motherboard



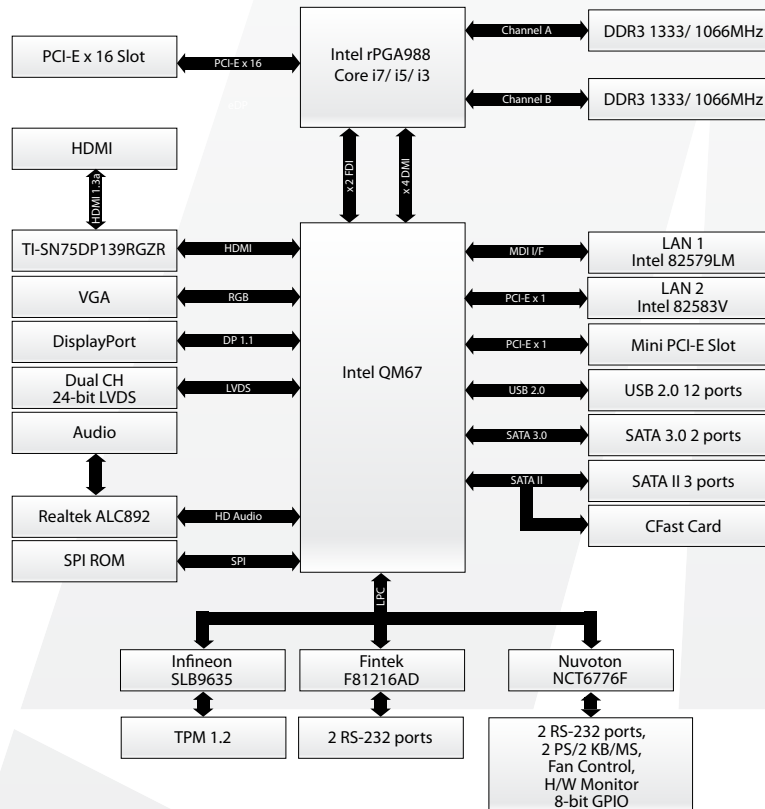
Features

- Intel FCPGA988 Socket (Socket G2) supports Intel Mobile Core i7/ i5/ i3/ Celeron CPU (TDP up to 45W when running with Quad Core)
- Intel QM67 Chipset
- Intel GMA HD 2000/ 3000 supports DirectX 10.1 OpenGL 3.0, Clone, Twin and Extended DT display modes
- Two 204-pin dual channel DDR3 1333/ 1066 Non-ECC SODIMM, up to 16GB
- Realtek ALC892 supports 5.1 Channel HD Audio
- Dual Intel Gigabit LAN : Intel 82579LM (LAN 1), Intel 82583V (LAN 2)
- Multiple display I/O supports versatile dual display functions : HDMI, DisplayPort, VGA, 24-bit Dual Channel LVDS
- Infineon SLB9635 supports TPM 1.2
- 1 PCI-E x 16 Gen. 2, 1 Mini PCI-E, 1 CFast
- 2 SATA 3.0 (6Gb/s) and 3 SATA II supports RAID 0, 1, 5, 10
- 4 Powered COM, 12 USB 2.0
- 8-bit GPIO

Specifications

System	
CPU	Intel FCPGA988 Socket (Socket G2) supports Intel Mobile Core i7/ i5/ i3 CPU
BIOS	AMI 16Mb SPI
System Chipset	Intel QM67 Chipset
I/O Chip	Nuvoton NCT6776F
Memory Type	Two 204-pin SODIMM support up to 16GB dual channel DDR3 1333/ 1066, up to 16GB
Watchdog Timer	Reset : 1 to 255 sec/min per step
H/W Status Monitor	Monitoring temperature, voltage and cooling fan status. Auto throttling control when CPU overheats.
Expansion	1 PCI-E x 16 Gen. 2, 1 Mini PCI-E, 1 CFast Card Connector
TPM	Onboard TPM 1.2 by Infineon SLB9635
Power State	S1, S3, S4, S5
Wake up on LAN or Ring	LAN (WOL) and Ring (WO)
SmartFan Control	Yes
I/O	
MIO	4 COM RS-232 with Power (5V/ 12V), 2 SATA 3.0, 3 SATA II, 1 HDMI, 1 DisplayPort, 1 VGA, 1 LVDS, 1 Backlight, 2 LAN, 1 CFast Card, 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	12 USB 2.0 (4 Rear, 8 Internal)
GPIO	8-bit General Purpose I/O for 4-bit DI and 4-bit DO
Display	
Chipset	Intel GMA HD 2000/ 3000
Display Memory	Shared Memory, up to 1.7GB
Dual Display	VGA + LVDS, VGA + DisplayPort, VGA + HDMI, DisplayPort + HDMI, LVDS + HDMI, LVDS + DisplayPort
VGA	Onboard, supports max resolution 2048 x 1536 (@60Hz)
HDMI	Onboard HDMI 1.3 supports max resolution 1920 x 1080
DisplayPort	Onboard, supports max resolution 2560 x 1600
LVDS	Onboard dual channel 24-bit LVDS supports max resolution 1600 x 1200
LVDS Backlight	Yes, through internal LVDS Backlight Connector
Audio	
Audio Codec	Realtek ALC892, 5.1 Channel HD Audio
Audio Interface	Line-in, Line-out, Mic-in, S/PDIF, Front Audio Header
Ethernet	
LAN 1	Intel 82579LM Gigabit LAN
LAN 2	Intel 82583V Gigabit LAN

Block Diagram



Back Panel I/O Port

- 1 VGA Port
- 1 HDMI Port
- 1 DisplayPort
- 1 COM RS-232 Port with 5V/ 12V Power
- 4 USB 2.0/1.1 Ports
- 2 LAN RJ45 Ports
- 1 Audio I/O (3 Jacks)

Internal I/O Connector

- 4 USB Connectors support 8 USB Ports
- 3 COM RS-232 Connectors with 5V/ 12V Power
- 5 SATA Connectors (2 SATA 3.0, 3 SATA II)
- 1 Front Panel Connector
- 1 Front Audio
- 1 CPU Fan Connector (3-pin)
- 1 System Fan Connector (3-pin)
- 1 LVDS (2 x 20-pin)
- 1 LVDS Backlight Power Connector
- 1 Clear CMOS Jumper (3-pin)
- 1 GPIO

Mechanical & Environmental

Power Requirement	+12V 4.86A	+5V 1.28A	+3.3V 1.05A	-12V 0.41A	5VSB 0.36A
Power Type	ATX (supports AT Mode)				
Power Connector	1 20-pin ATX Power Connector, 1 4-pin ATX 12V Power Connector				
Operating Temperature	0°C to 60°C (32°F to 140°F)				
Operating Humidity	0% to 90% relative humidity, non-condensing				
Size (L x W)	6.69" x 6.69" (170 x 170mm)				
Weight	1.03 lbs (0.47 Kg)				