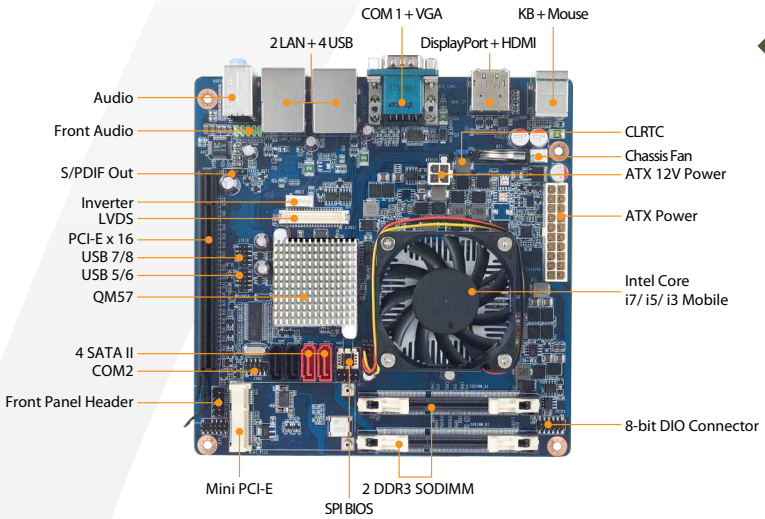
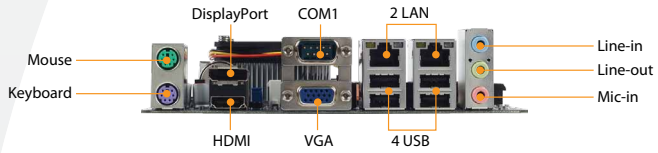
Mini-ITX Motherboard

IX57QM

Intel® QM57 Mini-ITX Motherboard





Features

- Supports Intel® Core i7/ i5/ i3 Mobile CPU
- The latest Intel® QM57 Chipset
- Two SODIMM support up to 8GB dual channel 800/ 1066MHz DDR3 SDRAM
- Intel® GMA HD supports multiple dual display functions : VGA+LVDS, VGA+DP, VGA+HDMI
- Supports RAID 0, 1, 5, 10 function
- Realtek ALC888, 5.1 + 2 Channel with Multiple Streaming HD Audio
- Advanced Intel® 82577LM Gigabit LAN chip supports iAMT function
- 1 PCI-E x16 (PEG & SDVO), 1 Mini PCI-E x1
- 2 COM with power, 8 USB 2.0, 4 SATA II

Intel QM57/HM55	Up to 4 Display	Mini PCI-E	PCI-E x 16
DisplayPort	HDMI	LVDS	Dual GbE LAN
GPIO	RAID	iAMT	

Specifications

System

CPU	Intel® Core i7/ i5/ i3 Mobile
BIOS	Insyde uEFI 64Mb SPI BIOS
System Chipset	Intel® QM57
I/O Chip	Winbond W83667HG-A
System Memory	Two 204-pin SODIMM support up to 8GB dual channel DDR3 1066/ 800 SDRAM
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 (PEG & SDVO), 1 Mini PCI-E x1
Power State	S1, S3, S4, S5
Wake up on LAN or Ring	LAN (PXE), Ring
SmartFan Control	Yes

I/O

MIO	2 COM RS-232 (1F/1R) with power, 4 SATA II, 1 DisplayPort, 1 HDMI, 1 VGA, 1 LVDS, 1 LVDS Backlight
USB	8 USB 2.0 (4F/4R)
GPIO	8-bit General Purpose I/O for 4-bit DI and 4-bit DO

Display

Chipset	Intel® QM57
Display Memory	Intel® GMA HD supports DVMT 5.0
Max. Resolution	2048 x 1536 (@ 75 MHz)
Dual Display	VGA + LVDS, VGA + DP, VGA + HDMI
VGA	On board
LVDS	Yes , through internal LVDS connector
LVDS Backlight Power Connector	Yes, through internal LVDS Backlight Connector
DisplayPort	On board
DVI	No, need DVI Dongle (from DP connector)
HDMI	On board (HDMI 1.3)

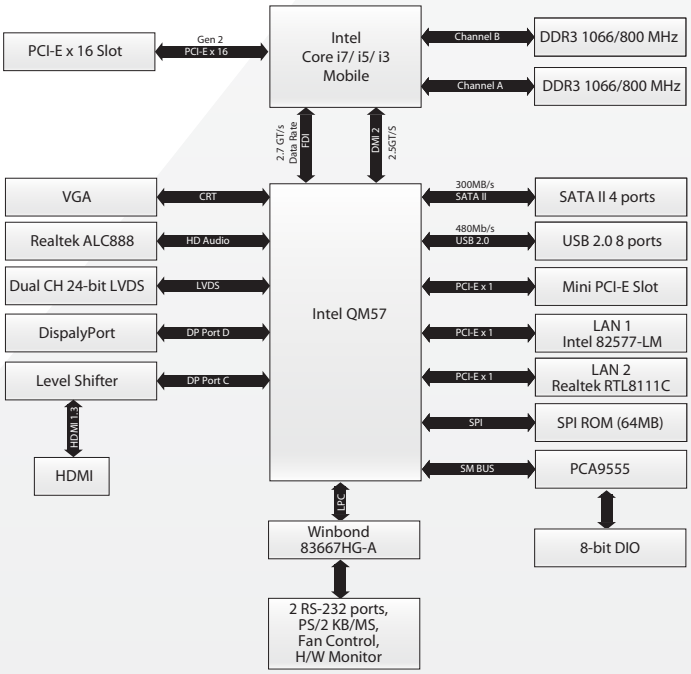
Audio

Audio Codec	Realtek ALC888, 5.1 + 2 Channel with Multiple Streaming HD Audio
Audio Interface	Line-in, Line-out, Mic-in

Ethernet

LAN 1	Intel® 82577LM Gigabit LAN supports iAMT
LAN 2	Realtek RTL8111C Gigabit LAN

Block Diagram



Ordering Information

IX57QM
90I-QM5701-M0000B2
IX57QM Mini-ITX Motherboard

Product Offering

until 2017

Packing List

COM Cable	x 1
SATA Data Cable	x 2
SATA Power Cable	x 1
I/O Shield	x 1
Cooler	x 1
Startup Manual	x 1
Driver CD	x 1

Optional Accessory

14GS0300020V04	USB Cable w/ Bracket
14GS0300024V04	USB Bracket

Back Panel I/O Port

1 PS/2 Keyboard
1 PS/2 Mouse
1 DisplayPort
1 HDMI Port
1 VGA Port
1 COM RS-232 Port
2 LAN RJ45 Ports
2 USB 2.0 Ports
Audio I/O (3 jacks)

Internal I/O Connector

2 USB Connectors support 4 USB Ports
1 LVDS Connector
1 Backlight Connector
4 SATA Connectors
1 CPU Fan Connector
1 Chassis Fan Connector
1 Front Panel Header
1 RS-232 Pin Header
1 GPIO
1 Front Audio Header

Mechanical & Environmental

Power Requirement	+12V 1.66A	+5V 3.51A	+3.3V 1.08A	5VSB 570mA
Power Type	ATX			
Power Connector	1 24-pin ATX Power Connector 1 4-pin ATX 12V Power Connector			
Operating Temperature	0 to 60°C (32 to 140°F)			
Operating Humidity	0% to 90% relative humidity, non-condensing			
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)			
Weight	1.03 lbs (0.47 Kg)			

** The product information and specifications are subject to change without prior notice.
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