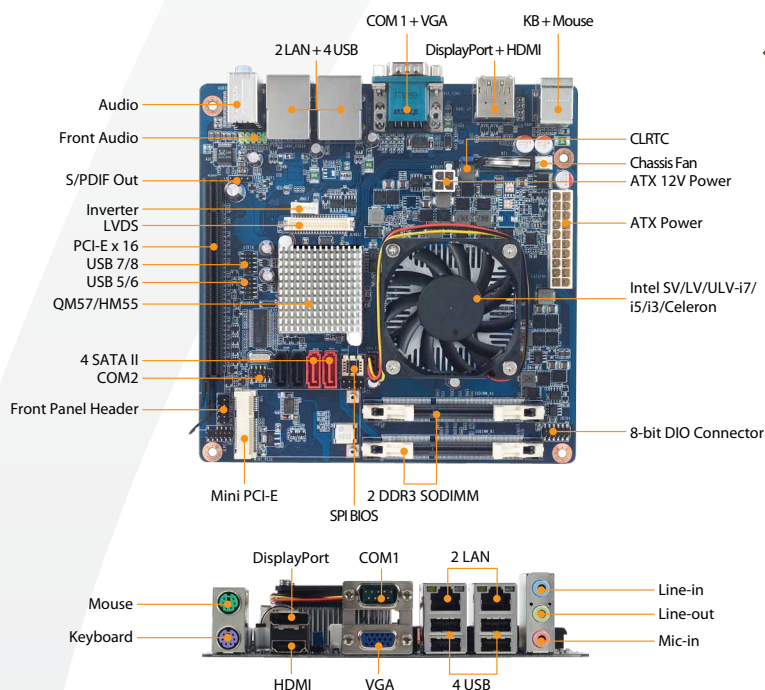


# IX57QM

## Intel® QM57/ HM55 Mini-ITX Motherboard



### Features

- Supports Intel® SV/LV/ULV-i7/ i5/ i3/ Celeron CPU
- The latest Intel® QM57/ HM55 Chipset
- Two SODIMM support up to 8GB dual channel 1066MHz DDR3 SDRAM
- The latest Intel® Arrandale Integrated Graphic Device supports multiple dual display functions : VGA+LVDS, VGA+DP, VGA+HDMI
- Realtek ALC888, 5.1 + 2 Channel with Multiple Streaming HD Audio
- Advanced Intel® 82577-LM Gigabit LAN chip
- 1PCI-E x16 (PEG & SDVO) , 1Mini PCI-E x1
- 2 COM with power, 8 USB 2.0, 4 SATA II, 1 DisplayPort, 1 HDMI, 1 VGA, 1 LVDS, 1 LVDS backlight

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

## Specifications

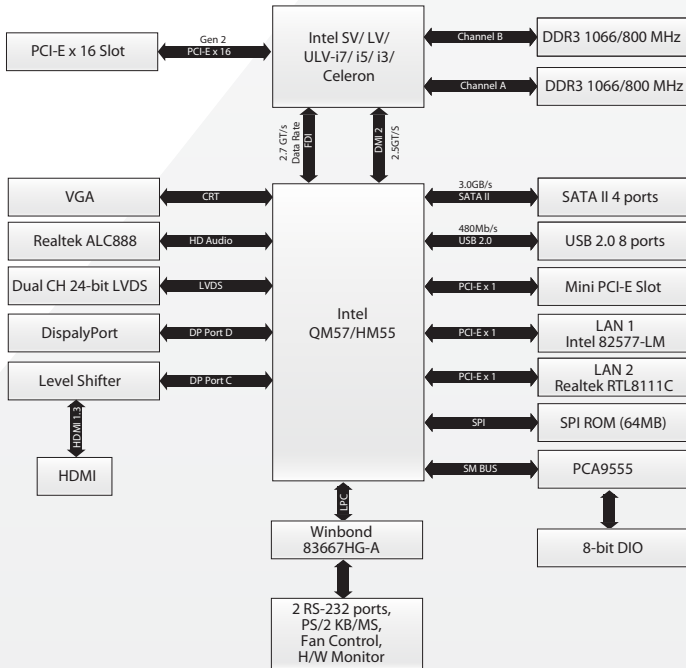
System	
<b>CPU</b>	Intel® SV/LV/ULV-i7/ i5/ i3/ Celeron
<b>BIOS</b>	Insyde uEFI 64Mb SPI BIOS
<b>System Chipset</b>	Intel® QM57/HM55
<b>I/O Chip</b>	Winbond W83667HG-A
<b>System Memory</b>	Two SODIMM support up to 8GB dual channel DDR3 1066/ 800 SDRAM
<b>Watchdog Timer</b>	Reset : 1 to 255 sec/min per step
<b>H/W Status Monitor</b>	Monitoring temperature, voltage and cooling fan status. Auto throttling control when CPU overheats
<b>Expansion</b>	1 PCI-E x 16 (PEG & SDVO), 1 Mini PCI-E x1
<b>Power State</b>	S1, S3, S4, S5
<b>Wake up on LAN or Ring</b>	LAN (PXE), Ring
<b>SmartFan Control</b>	Yes
I/O	
<b>MIO</b>	2 COM RS-232 (1F/1R) with power, 4 SATA II, 1 DisplayPort, 1 HDMI, 1 VGA, 1 LVDS, 1 LVDS Backlight
<b>USB</b>	8 USB 2.0 (4F/4R)
<b>GPIO</b>	8-bit General Purpose I/O for 4-bit DI and 4-bit DO

Display	
<b>Chipset</b>	Intel® QM57/ HM55
<b>Display Memory</b>	Intel Arrandale IGD supports DVMT 5.0
<b>Max. Resolution</b>	2048 x 1536 (@ 75 MHz)
<b>Dual Display</b>	VGA + LVDS, VGA + DP, VGA + HDMI
<b>VGA</b>	On board
<b>LVDS</b>	Yes , through internal LVDS connector
<b>LVDS Backlight Power Connector</b>	Yes, through internal LVDS Backlight Connector
<b>DisplayPort</b>	On board
<b>DVI</b>	No, need DVI Dongle (from DP connector)
<b>HDMI</b>	On board (HDMI 1.3)

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

Ethernet	
<b>LAN 1</b>	Intel 82577-LM Gigabit LAN
<b>LAN 2</b>	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

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