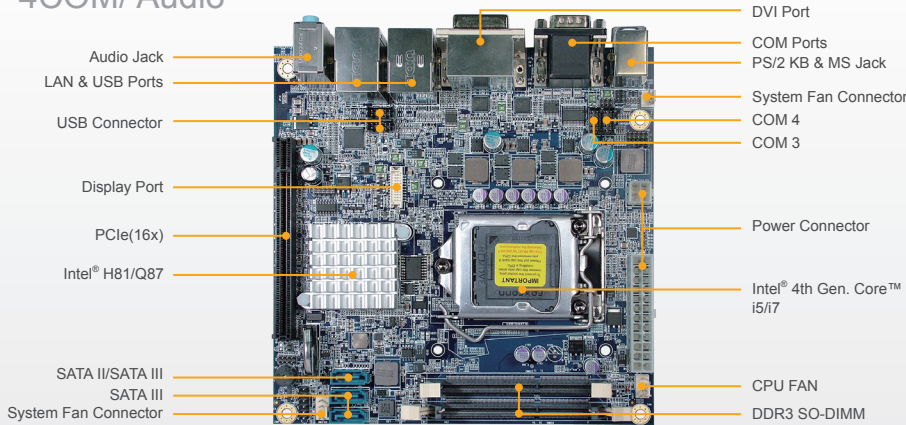


Mini ITX MB supports Intel® 4th Gen. Core™ i7/i5/i3/ Pentium® Processor with 2DVI/ DP/ 2LAN/ 4COM/ Audio



## Features

- LGA1150 Intel® 4th Gen. Core™ i7/i5/i3 and Pentium® Processor
- Equipped with Intel® H81/Q87 Chipset
- Memory support two DDR3 SO-DIMM sockets 1333/1600 up to 16 GB
- Support two DVI and Display Port
- Support Dual Gigabit LAN
- Support SATA RAID 0, 1, 5.
- Expansion Slots for one PCIe(16x)
- Support USB 3.0

## Specifications

### System

CPU Support	Intel® 4th Gen. Core™ i7/i5/i3 and Pentium® processor
CPU Frequency	i7-4770S: 3.9GHz; i5-4570S: 3.6GHz i5-4570TE: 3.3GHz
Chipset	Intel® PCH H81/Q87
DRAM	2 x 204-pin DDR3 SO-DIMM, support dual-channel DDR3 1333/1600MHz (system max. 16GB)
BIOS	AMI BIOS
Watchdog	1~255 sec Watchdog timer selectable
Power Supply	Support ATX Power
Power Consumption	+5V:1.3A; +12V:2.35A; +3.3V:0.6A; +5VSB:0.14A (CPU: i7 4770S 3.1GHz)
Dimension	170mm x 170mm (6.69" x 6.69")
Certificate	CE/ FCC
OS Support	Windows 8, Windows 7

### I/O Ports

SATA Interface	2 x SATA III (6.0Gb/s), 1 x SATA II (3.0Gb/s), (Raid 0,1,5)
Expansion BUS	1 x PCIe(16x)
Serial Port	4 x COM port, COM 1/3/4 for RS-232, COM 2 for RS-232/422/485 COM1/2 support 5V/12V
Keyboard/Mouse	PS/2 Connector, with mini DIN connector
FAN	1 x CPU FAN + 2 x System FAN
LAN	LAN 1: Intel® i217LM/V (10/100/1000 Mbps) LAN 2: Intel® i210-AT (10/100/1000 Mbps) Support Wake-on-LAN with ATX power
Audio	High Definition Audio; Realtek ALC888S with MIC / Line-In / Line-Out
USB	6 x USB 2.0 + 2 x USB 3.0

### Display

Graphics	Built-in processor, share system memory Support 1 x DVI-I 1 x DVI-D 1 x Display port
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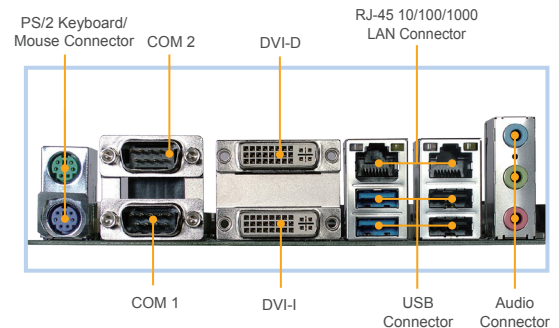
\*Discrete graphic card is necessary for display if the chosen CPU doesn't have integrated graphics support.

### Environment

Operation Temp.	0° ~ 60° C ( 32° ~ 140° F )
Storage Temp.	- 40° ~ 85° C ( - 40° ~ 185° F )
Humidity	Operation humidity 5 ~ 90% (non-condensing)

\* All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information. For detail mechanics drawing, please contact our sales.

## I/O Panel View



## Ordering Information

Order No	Description
BM-0942RA-00P	Mini ITX MB with Intel® i7/i5/i3 Processor(LGA1150)+H81, DDR3/2DVI/2LAN/4COM
BM-0942RA-01P	Mini ITX MB with Intel® i7/i5/i3 Processor(LGA1150)+Q87, DDR3/2DVI/2LAN/4COM

## Packing List

Part No	Description
10-611-00200023	Jumper (2.00mm)
20-010-07001251	I/O Shield
27-008-00001031	SATA cable
50-099-09420000	Quick Guide Driver CD

## Ordering Accessories

Part No	Description
27-006-03306111	Dual USB cable w/ bracket
81-003-18025144	CPU cooler (for 65W CPU)
27-047-00006112	DP to DVI Cable

Order No	Description
BR-8080RB-00P	DP/eDP to LVDS Daughter Board