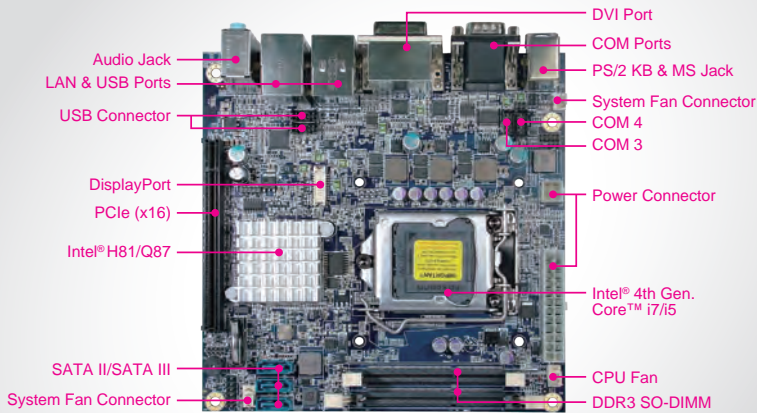


BM-0942

Mini-ITX Intel® 4th Gen. Core™ i7 / i5 / i3 / Pentium® Desktop CPU / Dual LAN



Features



- Intel® 4th Gen. Core™ i7 / i5 / i3 CPU
- Intel® Q87 / H81 chipset
- 4 x COM, 8 x USB, 2 x PS/2, 2 x LAN
- 2 x DVI, 1 x DP (internal)
- 3 x SATA, supporting RAID 0/1/5
- 1 x PCIe (x16)

Specifications

System

CPU Support	LGA1150 socket for Intel® 4th Gen. Core™ i7 / i5 / i3 / Pentium® desktop CPU
CPU List	Intel® Core™ : i7-4770S: 65w, 4C, 3.1/3.9GHz i5-4570S: 65w, 4C, 2.9/3.6GHz i3-4340TE: 35w, 2C, 2.60GHz Intel® Pentium® : G3420: 53w, 2C, 3.2GHz
Chipset	Intel® H81
Memory Support	2 x SO-DIMM sockets, supporting 1333/1600MHz DDR3 up to 16GB (non-ECC)
BIOS	AMI BIOS
Watchdog	1~255 seconds watchdog timer selectable
Power Supply	Supports ATX power
Power Consumption	+5V: 1.05A; +12V: 1.92A; +3.3V: 0.4A; +5VSB: 0.16A (CPU: i7-4770S)
Dimensions	170 x 170 mm (6.69" x 6.69")
Certifications	CE / FCC
O.S. Support	Windows 8 / Windows 7

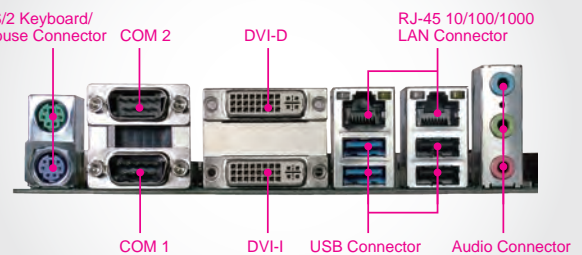
Graphics

DVI	1 x DVI-D (rear I/O) up to 3840 x 2160 @60Hz 1 x DVI-I (rear I/O) up to 3840 x 2160 @60Hz
DisplayPort	1 x DP (internal) up to 3840 x 2160 @60Hz (Q87 supports triple displays, H81 supports dual displays)

Environment

Operating Temp.	0°C~60°C (32°F~140°F) @humidity 5%~90%
Storage Temp.	-40°C~85°C (-40°F~185°F) @humidity 5%~90%

I/O Panel View



I/O Ports

SATA Interface	2 x SATA 3.0, 1 x SATA 2.0 (Q87 SKU supports RAID 0/1/5)
Expansion Bus	1 x PCIe (x16)
Serial Ports	4 x ports COM 1: RS-232 (rear I/O) COM 2: RS-232/422/485 (rear I/O), selected by jumper COM 3~6: RS-232 (internal wafer) COM 1/2 supports 5V/12V selected by jumper
LAN	Dual LAN (2 x RJ45 on rear I/O) LAN 1: Intel® i217 (GbE) LAN 2: Intel® i210 (GbE) Supports Wake-On-LAN
Audio	Mic In / Line In / Line Out (rear I/O)
Keyboard/Mouse	2 x PS/2 (rear I/O)
USB	8 ports 2 x USB 2.0 (rear I/O) 2 x USB 3.0 (rear I/O) 4 x USB 2.0 (internal wafer)
FAN	1 x CPU fan (4 pin), 1 x system fan (4 pin), 1 x system fan (3 pin)

* 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.