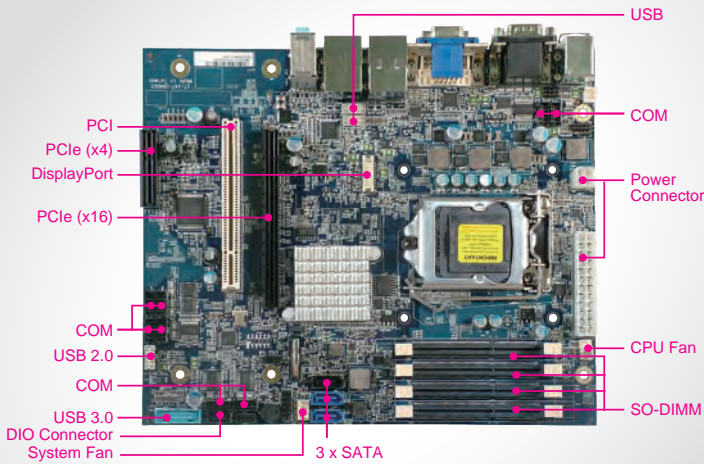


BK-0940

Flex ATX Intel® 4th Gen. Core™ i7 / i5 / i3 / Pentium® Desktop CPU



Features



- Intel® 4th Gen. Core™ i7 / i5 / i3 CPU
- Intel® Q87 / H81 chipset
- 10 x COM, 12 x USB, 2 x PS/2, 2 x LAN
- 1 x VGA, 1 x DVI-D, 1 x DP (internal)
- 3 x SATA, supporting RAID 0/1/5
- 1 x PCIe (x16), 1 x PCIe (x4), 1 x PCI

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/Q87
Memory Support	4 x SO-DIMM sockets, supporting 1333/1600MHz DDR3 up to 32GB (non-ECC) (H81 SKU supports only 2 x SO-DIMM up to 16GB)
BIOS	AMI BIOS
Watchdog	1~255 seconds watchdog timer selectable
Power Supply	Supports ATX power
Power Consumption	+5V: 1.3A; +12V: 2.35A; +3.3V: 0.6A; +5VSB: 0.14A (CPU: i7-4770S)
Dimensions	229 x 191 mm (9.0" x 7.5")
Certifications	CE / FCC
O.S. Support	Windows 8.1 / Windows 7 / Windows XP

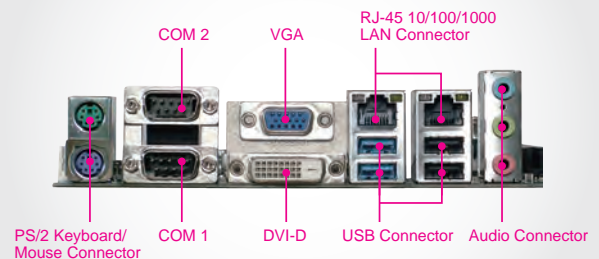
Graphics

VGA	1 x VGA (rear I/O) up to 1920 x 1200 @60Hz
DVI	1 x DVI-D (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	H61 SKU: 1 x PCIe3.0 (x16), 1 x PCI Q87 SKU: 1 x PCIe3.0 (x16), 1 x PCI, 1 x PCIe2.0 (x4)
Serial Ports	10 ports COM 1: RS-232 (rear I/O) COM 2: RS-232/422/485 (rear I/O), selected by jumper COM 3~10: RS-232 (internal wafer) COM 3/4: supports 5V/12V, selected by jumper
Keyboard/Mouse FAN	2 x PS/2 (rear I/O) 1 x CPU fan (4 pin), 1 x system fan (4 pin), 1 x system fan (3 pin)
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)
Digital I/O	4 in / 4 out (internal wafer)
USB	12 ports 2 x USB 3.0 (rear I/O) 2 x USB 2.0 (rear I/O) 2 x USB 3.0 (box header) for only Q87 SKU 6 x USB 2.0 (internal wafer)

* 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.