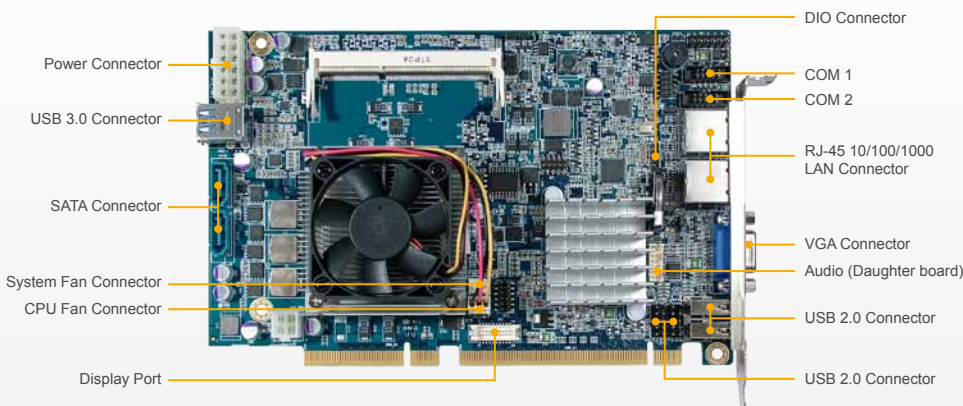


BH-0937



Half Size Intel® 5th Gen. Core™ i7 CPU Module



Features

- Intel® 5th Gen. i7 CPU on board
- Equipped with Mobile QM87 Chipset
- Memory supports DDR3L 1600 MHz SO-DIMM up to 16GB
- Support Giga LAN, SATA 6Gb/s, USB3.0, USB2.0
- One PCIe(16x), Six PCIe(1x)
- Display: 1 x VGA, 1 x Display Port

Specifications

System

CPU Support	Intel® 5th Gen. Core™ i7 Processor
CPU Frequency	i7-5850EQ - 47W(4C), 2.7 GHz(Turbo 3.4GHz) i7-5700EQ - 47W(4C), 2.6 GHz(Turbo 3.4GHz)
Chipset	Intel® QM87
DRAM	2 x 204-Pin DDR3L SO-DIMM, support dual channel memory 1600 MHz up to 16GB
BIOS	AMI
Power Supply	Support ATX power
Power Consumption	+12V, +5V
Dimension	198 mm x 126 mm (7.80" x 4.96")
Certificate	FCC / CE

I/O Ports

SATA Interface	2 x S-ATA III (6Gb/s), Raid 0/1
Serial Port	2 x COM COM1 for RS-232, COM2 for RS-232/ 422/ 485
Expansion BUS	1 x PCIe (16x) 1 x CFast
LAN	Dual Port, support to 10/100/1000Mbps LAN1: Intel i217LM LAN2: Intel i211AT
USB	2 x USB 3.0 6 x USB 2.0
GPIO	4 in / 4 out
Audio	Support HD Audio Daughter Board

Display

Graphics	Build-in processor, share memory Support 1 x VGA 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 20 ~ 90%, storage humidity 20 ~ 95%

*All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information.

Ordering Information

Order No	Description
BH-0938RA-58P	HSF, PICMG1.3 Half Size, i7-5850EQ QM87 / C1/ VGA/ 2LAN/ 2COM/ AUDIO
BH-0938RA-57P	HSF, PICMG1.3 Half Size, i7-5700EQ QM87 / C1/ VGA/ 2LAN/ 2COM/ AUDIO

Packing List

Part No	Description
10-611-00200023	Jumper (2.0mm)
27-008-00001031	SATA Cable
81-003-16060001	CPU Cooler
21-002-15650001	CPU Heatsink Bracket
	Quick Guide
	Driver CD

Ordering Accessories

Part No	Description
27-006-00004111	Dual USB cable w/ bracket
27-024-03106011	COM Cable L=400mm w/ bracket
27-047-00006112	pDP to DVI cable L=300mm

Part No	Description
BR-8001RA-00P	pDP to DP Cable L=300mm w/ bracket
BR-8080RC-00P	eDP to LVDS Daughter Board
BR-8080RC-W0P	eDP to LVDS Daughter Board, w/ Wide Temp
BR-3010RA-00P	HD Audio Daughter board