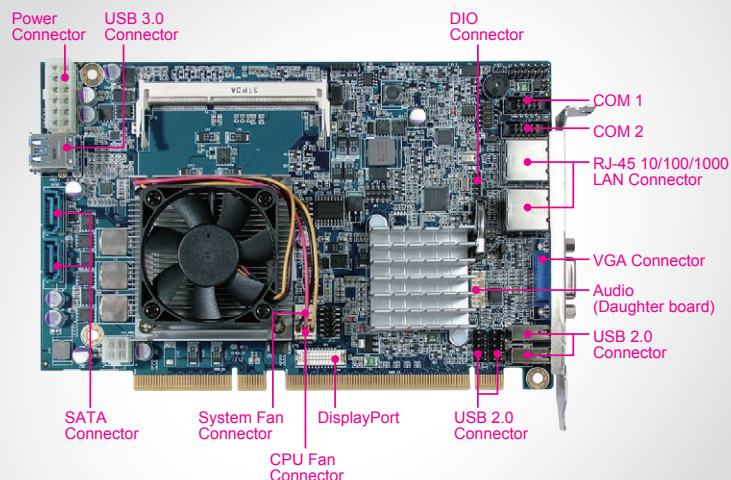


BH-0927

➤ PICMG 1.3 Half Size CPU Card Intel® 4th Gen. Core™ i7 / i5 / i3 Celeron® Mobile CPU with VGA / 2LAN / 2COM



Features



- Intel® 4th Gen. Core™ i7 / i5 / i3 / Celeron® mobile CPU
- Supports DDR3 ECC SO-DIMM memory
- 2 x COM, 8 x USB, 2 x LAN, 8bit DIO
- 1 x VGA, 1 x internal DP
- 1 x CFAST slot, 2 x SATA
- Supports SATA RAID 0/1 (QM87 SKU)
- Supports ATX power (12+4 pin)

Specifications

System

CPU Support	Intel® 4th Gen. Core™ mobile onboard CPU: Core™ i7 4700EQ (4C 2.4/3.4GHz 47W) Core™ i5 4400E (2C 2.7/3.3GHz 37W) Core™ i3 4102E (2C 1.6GHz 27W) Celeron® 2202E (2C 1.6GHz 27W)
Chipset	Intel® HM86 (QM87 for i7 4700EQ SKU only)
Memory Support	2 x SODIMM sockets, supporting 1333/1600MHz DDR3 memory (ECC only) up to 16GB
BIOS	AMI BIOS
API/SW/FW	Watchdog
Power Supply	Supports ATX power Connector: 12 pin (2 x 6), 4 pin (2 x 2)
Power Consumption	+5V:0.68A, +12V:1.46A, +3.3V:0.58A, +5Vsb:0.30A (CPU: Intel® Core™ i3 4102E 1.6GHz)
Dimensions	198 x 126 mm (7.80" x 4.96")
Certifications	FCC / CE
O.S. Support	Windows 8 64bit / Windows 7 32/64 bit

I/O Ports

SATA Interface	2 x SATAIII (6.0Gb/s) Supports RAID 0/1 (QM87 SKU only)
FDD/CFAST/CF/SD	1 x CFAST
Serial Ports	2 ports COM 1: RS-232 (2 x 5 pin wafer) COM 2: RS-232/422/485 (2 x 5 pin wafer)
LAN	Dual LAN (2 x RJ45 on rear I/O) up to 1Gbps Controller: Intel® I217LM (LAN1), I211AT (LAN2)
Audio	Supports Intel HD Audio signal (onboard wafer) Note: An audio codec daughter board (BR-3010) is required for Mic In / Line In / Line Out
DIO	4 in / 4 out (pin header)
USB	8 ports 2 x USB 2.0 (rear I/O) 4 x USB 2.0 (pin header) 2 x USB 3.0 (type A stack connector on inner side)

Graphics

VGA	1 x VGA (rear I/O), resolution up to 1920 x 1200 @60Hz
DisplayPort	1 x DP (internal), resolution up to 3840 x 2160 @60Hz

Environment

Operating Temp.	0°C~60°C (32°F~140°F) @humidity 20%~90%
Storage Temp.	-40°C~85°C (-40°F~185°F) @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. For detail mechanics drawing, please contact our sales.