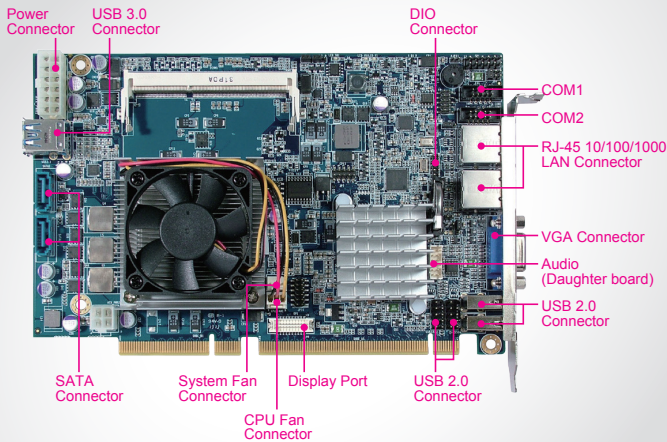


PICMG1.3 Board, Half-Size



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+4pin)

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: 12pin (2x6), 4pin (2x2)
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 COM1: RS-232 (2x5pin wafer) COM2: RS-232/422/485 (2x5pin 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 1920x1200 @60Hz
Display Port	1 x DP (internal), resolution up to 3840x2160 @60Hz

Environment

Operating Temp.	0~60°C (32~140°F) @humidity 20~90%
Storage Temp.	-40~85°C (-40~185°F) @humidity 20~95%