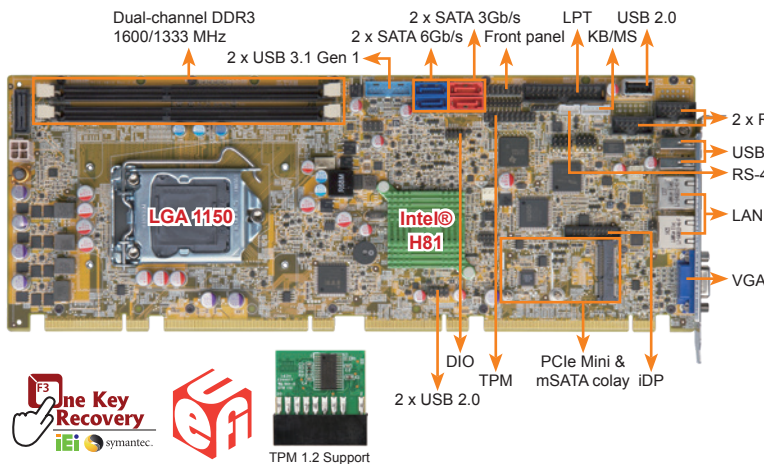


PCIE-H810

Full-size PICMG 1.3 CPU card supports LGA 1150 Intel® Core™ i7/i5/i3, Pentium® and Celeron® with Intel® H81, DDR3, VGA, iDP, Dual PCIe GbE, SATA 6Gb/s, mSATA, USB 3.1 Gen 1 (5Gb/s), RS-232, HD Audio and RoHS

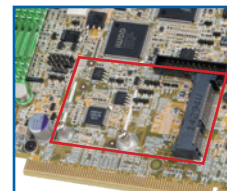


Enhanced component protection

Prevent the damage of bottom components



PCIe Mini & mSATA colay



The PCIe Mini interface provides PCIe x1, USB and mSATA signal for full-size or half-size PCIe Mini devices, such as SSD, mSATA and wireless LAN cards.



Specifications

- ◆ CPU
 - 4th generation LGA 1150 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- ◆ Chipset
 - Intel® H81
- ◆ Memory
 - Two 240-pin 1600/1333 MHz dual-channel unbuffered DDR3 & DDR3L SDRAM DIMMs support up to 16 GB
- ◆ BIOS
 - UEFI
- ◆ Graphics Engine
 - Intel® HD Graphics Gen 7.5 supports DX11.1, OpenCL 1.2 and OpenGL 4.2
 - Full MPEG2, VC1, AVC Decode
- ◆ Display Output
 - Dual independent display
 - 1 x VGA (up to 1920x1200@60 Hz)
 - 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP (up to 3840x2160@60 Hz)
- ◆ Ethernet
 - Dual Realtek RTL8111E PCIe GbE controllers supported
- ◆ External I/O Interface
 - 2 x USB 2.0
- ◆ Internal I/O Interface
 - 1 x KB/MS (1x6 pin)
 - 1 x LPT (2x13 pin)
 - 1 x RS-422/485 (1x4 pin, P=2.0)
 - 1 x USB 2.0 (180° Type-A)
 - 2 x RS-232 (2x5 pin, P=2.54)
 - 2 x SATA 3Gb/s (AHCI supported, no RAID)
 - 2 x SATA 6Gb/s
 - 2 x USB 3.1 Gen 1 (5Gb/s) (2x10 pin)
 - 4 x USB 2.0 (Golden finger)
 - 4 x USB 2.0 (2x4 pin, P=2.54)
- ◆ Audio
 - Support 7.1-channel HD Audio by IEI AC-KIT-892HD kit
- ◆ Front Panel
 - 1 x Front panel (2x7 pin, power LED, HDD LED, speaker, power button, reset button)
- ◆ LAN LED
 - 2 x LAN LED (1x2 pin)
- ◆ SMBus
 - 1 x SMBus (1x4 pin)
- ◆ I²C
 - 1 x I²C (1x4 pin)
- ◆ Infrared Interface
 - 1 x Infrared Interface (1x5 pin)
- ◆ Expansion
 - 1 x Full/Half-size PCIe Mini slot (supports mSATA)
 - One PCIe x16 & four PCIe x1 signal via golden finger
- ◆ Watchdog Timer
 - Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O
 - 8-bit digital I/O (2x5 pin)
- ◆ Fan Connector
 - 1 x CPU smart fan (1x4 pin)
 - 1 x System smart fan (1x3 pin)
- ◆ Power Supply
 - 5V/12V, AT/ATX support
- ◆ Power Consumption
 - 5V@3.41A, 12V@0.35A, Vcore 12V@7.52A, 3.3V@1.41A, 5VSB@0.12A
 - (Intel® Core™ i7-4770K 3.90 GHz CPU with 8 GB (two 4 GB) 1333 MHz DDR3 memory)
- ◆ Operating Temperature: -20°C ~ 60°C
- ◆ Storage Temperature: -30°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 338 mm x 126 mm
- ◆ Weight: GW: 1000g / NW: 420g
- ◆ CE/FCC compliant

Features

- PICMG 1.3 full-size solution
- 4th generation LGA 1150 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- Two 1600/1333 MHz DDR3 SDRAM DIMMs support up to 16 GB
- Dual Realtek PCIe GbE supported
- TPM v1.2 hardware security function supported by TPM module
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery
- Stiffener bars
- IEI jumper-less function

Packing List

- 1 x PCIE-H810 single board computer
- 2 x SATA cable
- 1 x QIG

Ordering Information

Part No.	Description
PCIE-H810-R10	Full-size PICMG 1.3 CPU Card supports LGA 1150 Intel® Core™ i7/i5/i3, Pentium® and Celeron® CPU with Intel® H81, DDR3, VGA, iDP, dual PCIe GbE, SATA 6Gb/s, mSATA, RS-232, USB 3.1 Gen 1 (5Gb/s), HD Audio and RoHS
19800-000049-RS	LPT flat cable, 240mm, P=2.54
19800-000075-RS	PS/2 KB/MS cable with bracket, 220mm, P=2.0
19800-003100-300-RS	Dual port USB 2.0 cable with bracket, 300mm, P=2.54
19800-010500-200-RS	USB 3.1 Gen 1 (5Gb/s) cable with bracket, 450mm
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P