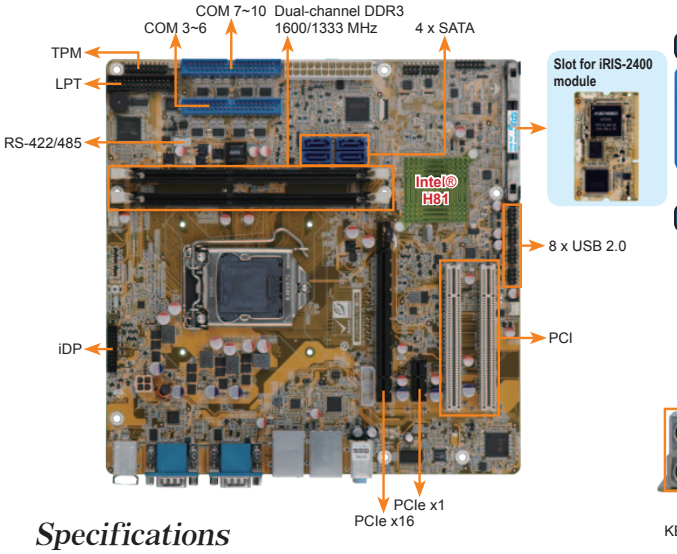
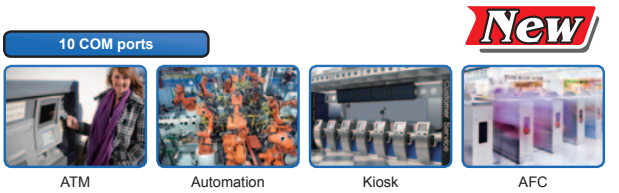
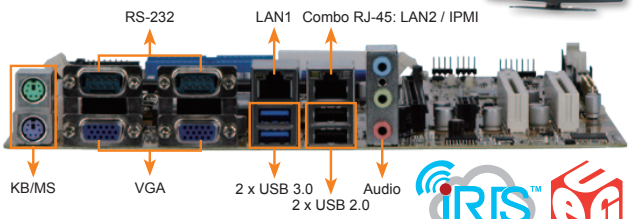
IMB-H810-i2

microATX motherboard supports 22nm LGA1150 Intel® Core™ i7/i5/i3, Pentium® and Celeron® CPU per Intel® H81, DDR3, VGA, Dual PCIe GbE, USB 2.0, COM, LPT, SATA 6Gb/s, HD Audio, iRIS-2400







IPMI 2.0 Compliant

One Key Recovery

DDR3 1333 | USB 3.0 | SATA 6Gb/s | PCIe GbE

Specifications

- CPU
  LGA1150 Intel® 4th generation Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- System Chipset
  Intel® H81
- Memory
  Two 240-pin 1600/1333MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs support up to 16GB
- BIOS
  UEFI BIOS
- Ethernet
  LAN1: Intel® I217LM
  LAN2: Intel® I210-AT PCIe controller with NCSI support
- Graphics Engine
  Intel® HD Graphics Gen 7.5 supports DX11.1 and OpenCL 1.2, OpenGL 3.2
  Full MPEG2, VC1, AVC Decode
- Display Output
  VGA1 (up to 1920x1200 @ 60 Hz)
  VGA2 (up to 1920x1200 @ 60 Hz)
  iDP interface for HDMI, LVDS, VGA, DVI, DP (up to 3840x2160 @60 Hz)
- Super I/O
  Fintek F81866
- Audio
  Realtek ALC662 HD Codec supports 5.1 channel Audio Jack (2x5 pin)
- Audio Jack
  Line-in, Line-out (with 3.5W +3.5W audio amplifier), Mic
- I/O Interface
  2 x RS-232 (rear IO) — 8 x RS-232 (port 3~6, port 7~10)
  1 x LPT — 1 x RS-422/485 by s/w selection (colay COM10)
  1 x PS/2 KB/MS — 2 x SATA 6Gb/s
  2 x USB 3.0 (rear IO) — 2 x SATA 3Gb/s
  10 x USB 2.0 (2 by rear IO, 8 by pin header)
- Front Panel
  1 x Front panel (Power LED, HDD LED, Speaker, Power Button, Reset Button)
- TPM
  1 x TPM connector (2x10 pin)
- SMBus
  1 x 4-pin wafer
- I²C
  1 x 4-pin wafer
- LAN LED
  2 x 2-pin headers for LAN1 Link LED, LAN2 Link LED
- iRIS Remote Management Module
  1 x iRIS-2400 slot
- Expansion
  1 x PCIe x16 slot (Gen 3)
  1 x PCIe x1 slot
  2 x PCI slot
- Watchdog Timer
  Software programmable, support 1~255 sec system reset
- Fan Connector
  1 x 4-pin CPU fan connector
  1 x 3-pin system fan connector
- Power Supply: ATX power supply
- Power Consumption
  3.3V@0.64A, 5V@4.20A, 12V@0.14A, Vcore_12V@3.88A, 5VSB@0.20A
  (Intel® Core™ i7-4770K 3.90 GHz CPU with 8GB (2 x 4GB) 1333MHz DDR3 memory)
- Operating Temperature: -20°C ~ 60°C
- Storage Temperature: -30°C ~ 70°C
- Operating Humidity: 5% ~ 95%, non-condensing
- Dimensions: 244mm x 244mm
- Weight: GW: 1200g / NW: 680g

Features

1. LGA1150 Intel® 4th generation Core™ i7/i5/i3, Pentium® or Celeron® processor supported
2. Dual-channel DDR3 1333/1600 MHz support up to 16GB
3. Intel® HD Graphics technology integrates high-performance graphics and media processing
4. Supports legacy PCI 32-bit 33/66MHz
5. Ten COM ports, USB 3.0 and SATA supported
6. TPM V1.2 hardware security function supported by TPM module
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery
8. Support IPMI 2.0 via iRIS-2400 module
9. IEI jumper-less function

Packing List

1 x IMB-H810-i2 single board computer	
2 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x I/O shielding (P/N: 45014-0041C0-00-RS)	1 x QIG

Ordering Information

Part No.	Description
IMB-H810-i2-R10	microATX motherboard supports 22nm LGA1150 Intel® Core™ i7/i5/i3/Pentium® and Celeron® CPU per Intel® H81, DDR3, VGA, Dual Intel® PCIe GbE, USB 2.0, PCI, COM, SATA 6Gb/s, LPT, HD Audio, iRIS-2400 and RoHS
iRIS-2400-R10	IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface
32205-001203-200-RS	RS-232 cable, 40-pin to four DB-9
19800-003100-300-RS	Dual-port USB 2.0 cable with bracket
19800-010500-200-RS	USB 3.0 cable 457mm with bracket
32205-003800-300-RS	RS-422/485 cable, 200mm
19800-000051-RS	RS-232 cable, 230mm (P=2.54)
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
19800-000075-RS	PS/2 KB/MS Y-cable with bracket, 220mm
19800-000049-RS	LPT cable
CF-1156A-RS-R11	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156E-R11	High performance LGA1155/LGA1156 cooler kit, 95W
DP-LVDS-R10	DisplayPort to 24-bit dual-channel LVDS converter board (for IEI iDP connector)
DP-HDMI-R10	DisplayPort to HDMI converter board (for IEI iDP connector)
DP-DVI-R10	DisplayPort to DVI-D converter board (for IEI iDP connector)
DP-VGA-R10	DisplayPort to VGA converter board (for IEI iDP connector)
DP-DP-R10	DisplayPort to DisplayPort converter board (for IEI iDP connector)
TPM-IN01-R11	20-pin infineon TPM module, software management tool, firmware V3.17