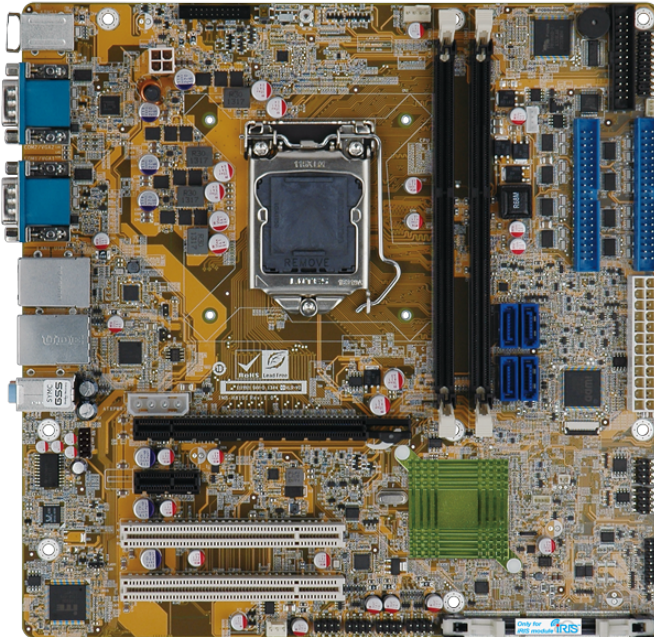


# IMB-H810

microATX motherboard supports 22nm LGA1150 Intel® Core™ i7/i5/i3, Pentium®, Celeron® CPU per Intel® H81



## Features

- » LGA1150 4th generation Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- » Dual-channel DDR3 1333/1600 MHz support up to 16 GB
- » Intel® HD Graphics technology integrates high-performance graphics and media processing
- » Supports legacy PCI 32-bit 33/66 MHz
- » Ten COM ports, USB 3.0 and SATA 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
- » Support IPMI 2.0 via iRIS-2400 module
- » IEI jumper-less function

## Specifications

| System                   |                                                                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                      | LGA1150 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported                                                                                                                                 |
| Chipset                  | Intel® H81                                                                                                                                                                                              |
| Memory                   | Two 240-pin 1600/1333 MHz dualchannel DDR3 & DDR3L SDRAM unbuffered DIMMs                                                                                                                               |
| Memory Max.              | 16GB                                                                                                                                                                                                    |
| Physical Characteristics |                                                                                                                                                                                                         |
| Dimensions (LxWxH) (mm)  | 244 X 244                                                                                                                                                                                               |
| Net Weight               | 680g                                                                                                                                                                                                    |
| Storage                  |                                                                                                                                                                                                         |
| Storage                  | 4 x SATA :2 x 3Gb/s, 2 x 6Gb/s                                                                                                                                                                          |
| I/O Interface            |                                                                                                                                                                                                         |
| Display Output           | 2 x VGA :up to 1920x1200@60Hz<br>1 x iDP :interface for HDMI™, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)                                                                                                |
| Ethernet                 | 2 x LAN :LAN1: Intel® I217LM with Intel® AMT9.0 support<br>LAN2: Intel® I210-AT PCIe controller with NCSI                                                                                               |
| Audio                    | Description: Realtek ALC662 HD Audio codec supports<br>5.1-channel<br>1 x Line in :on rear IO<br>1 x Line out :on rear IO<br>1 x Mic :on rear IO<br>1 x Front Audio :2x5 pin                            |
| I/O Interface            | 2 x External RS-232<br>8 x Internal RS-232 :2x20 pin, p=2.54<br>1 x Internal RS-422/485 :1x4 pin, p=2.0<br>2 x External USB 2.0<br>2 x External USB 3.2 Gen1x1<br>1 x PS/2<br>1 x LPT :2x13 pin, p=2.54 |

|                       |                                            |
|-----------------------|--------------------------------------------|
| Expansion             | 1 x PCIe x16 :Gen 3                        |
|                       | 1 x PCIe x1                                |
|                       | 2 x PCI Slot                               |
| Other Features        |                                            |
| TPM                   | 2x10 pin                                   |
| Power                 |                                            |
| 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 8 |
|                       | GB (two 4 GB) 1333 MHz DDR3 memory)        |
| Power Supply          | Support ATX mode                           |
| Environment           |                                            |
| Operating Temperature | -20°C ~ 60°C                               |
| Storage Temperature   | -30°C ~ 70°C                               |
| Humidity              | 5% ~ 95%, non-condensing                   |
| Certifications        |                                            |
| Safety & EMC          | CE/FCC compliant                           |

## Ordering Information

|                  |                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IMB-H810-i2-R11  | Micro ATX Motherboard supports 22nm LGA1150 Intel® Core™ i7/i5/i3 CPU per Intel® H81, DDR3, VGA, Dual Intel PCIe GbE, USB 2.0, PCI, COM, LPT, SATA 3Gb/s, HD Audio, iRIS and RoHS |
| IMB-H810-ECO-R11 | 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, ECO packing, RoHS                     |

## Packing List

|                                       |                |
|---------------------------------------|----------------|
| 1 x IMB-H810-i2 single board computer | 2 x SATA cable |
| 1 x I/O shielding                     | 1 x QIG        |