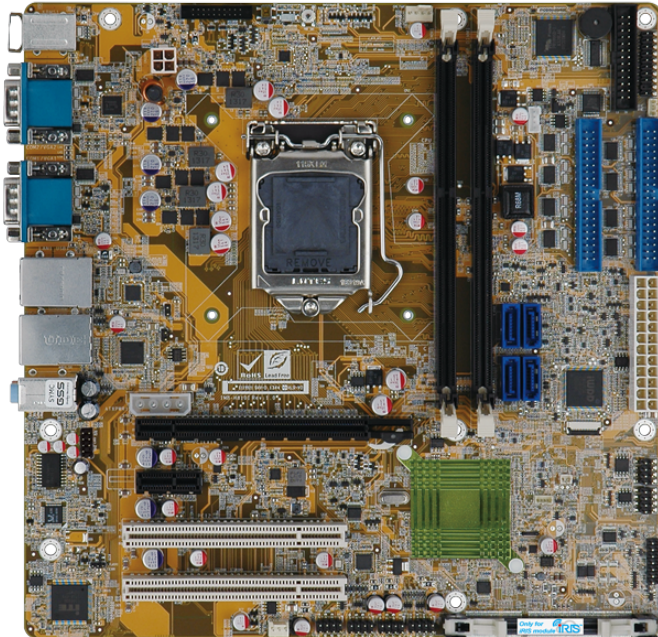


IMB-H810

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 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 LAN2: Intel® I210-AT PCIe controller with NCSI |
| Audio | Description: Realtek ALC662 HD Audio codec supports 5.1-channel 1 x Line in :on rear IO 1 x Line out :on rear IO 1 x Mic :on rear IO 1 x Front Audio :2x5 pin |
| I/O Interface | 2 x External RS-232 8 x Internal RS-232 :2x20 pin, p=2.54 1 x Internal RS-422/485 :1x4 pin, p=2.0 2 x External USB 2.0 2 x External USB 3.2 Gen1x1 1 x PS/2 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 |