

IMBA-H810

ATX motherboard supports 22nm LGA 1150 4th generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® CPU with Intel® H81



Features

- » 4th generation LGA1150 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
- » 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

Specifications

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|--------------------------|--|
| System | |
| CPU | LGA1150 Intel® Core™ i7/i5/i3, Pentium® and Celeron® processor supported |
| Chipset | Intel® H81 |
| Memory | Two 240-pin 1600/1333 MHz dual-channel DDR3 SDRAM ECC and non-ECC unbuffered DIMMs |
| Memory Max. | 16GB |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 244 X 305 |
| Net Weight | 700g |
| Storage | |
| Storage | 4 x SATA :2 X 6Gb/s (SATA1, SATA2) (AHCI supported, no RAID) (Blue) 2 X 3Gb/s (SATA3, SATA4) (Red) 1 x mSATA :share with SATA4 |
| I/O Interface | |
| Display Output | 1 x VGA :up to 1920x1200@60Hz 1 x DVI-D :up to 2560x1600@60Hz 1 x iDP :interface for HDMI™, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz) |
| Ethernet | 2 x LAN :LAN1: Intel® I217-LM with Intel® AMT9.0 support LAN2: Intel® I211-AT PCIe Controller |
| Audio | Description: Realtek ALC662 HD 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 1 x Internal RS-422/485 :1x4 pin, p=2.0 2 x External USB 2.0 2 x External USB 3.2 Gen1x1 5 x Internal USB 2.0 :1 X A type, 4 X 2x4 pin, p=2.54 2 x PS/2 :1 X 1x6 pin 1 x DIO :8-bit digital I/O (2x5 pin) 1 x LPT :2x13 pin |

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| Expansion | 1 x PCIe x16 |
| | 2 x PCIe x1 |
| | 4 x PCI Slot |
| | 1 x PCIe mini Card Slot :Full-ize slot(support mSATA) |
| Other Features | |
| TPM | 2x10 pin |
| Power | |
| Power Consumption | 3.3V@0.83A, 5V@2.2A, 12V@3.88A, 5VSB@0.3A |
| | (Intel® Core™ i7-4770K 3.90GHz CPU with 8 GB (two 4 GB) 1333 MHz DDR3 memory) |
| Power Supply | Support AT/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

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|-------------------|--|
| IMBA-H810-R10 | ATX motherboard supports 22nm LGA 1150 Intel® 4th generation Core™ i7/i5/i3, Pentium® and Celeron® H81, DDR3, VGA/DVI-D/iDP, Dual Intel® PCIe GbE, USB3.0, SATA 6Gb/s, HD Audio and RoHS |
| IMBA-H810-ECO-R10 | LGA1150 4th generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® CPU with Intel® H81, DDR3, VGA/DVI-D/ iDP, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio, ECO packing and RoHS |

Packing List

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