

# 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

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

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

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

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