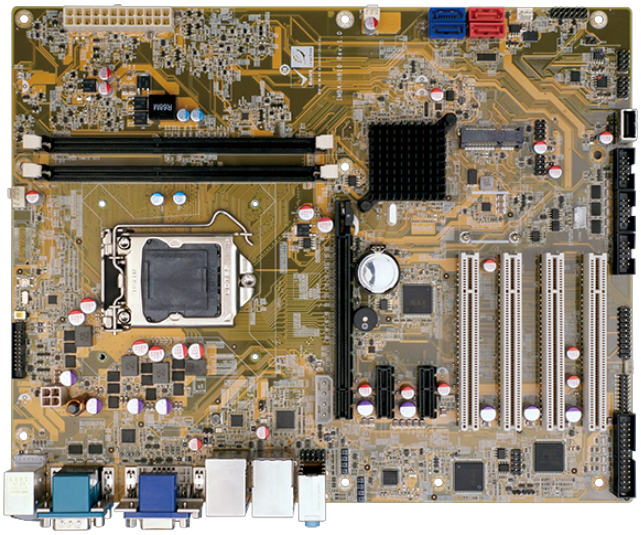
IMBA-H810

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

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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

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