

## IMB-H110

microATX Motherboard supports 14nm LGA1151 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor



## Features

- » LGA 1151 socket supports Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- » Dual-channel DDR4 2133MHz support up to 64GB
- » Support Dual displays via VGA/DVI-I/LVDS
- » USB 3.0 and SATA 6Gb/s supported
- » 12 COM & 12 USB
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

| System                   |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| CPU                      | LGA 1151 socket supports Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor |
| Chipset                  | Intel® skylake H110                                                                               |
| Memory                   | Two 288-pin 2133MHz Dual-Channel DDR4 SDRAM Unbuffered DIMM                                       |
| Memory Max.              | 64GB                                                                                              |
| Physical Characteristics |                                                                                                   |
| Net Weight               | 700g                                                                                              |
| Storage                  |                                                                                                   |
| Storage                  | 4 x SATA :6Gb/s                                                                                   |
| I/O Interface            |                                                                                                   |
| Display Output           | 1 x VGA :up to 1920x1200@60Hz                                                                     |
|                          | 1 x DVI-I :up to 1920x1200@60Hz                                                                   |
|                          | 1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz)                                           |
|                          | 1 x iDP :interface for HDMI™, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)                           |
| Ethernet                 | 2 x LAN :LAN1: RTL 8111GN controller                                                              |
|                          | LAN2: RTL 8111GN controller                                                                       |
| 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                                                                               |
| I/O Interface            | Internal RS-232 :2x5 pin, p=2.0                                                                   |
|                          | 2 x Internal RS-232/422/485 :2x5 pin , p=2.0                                                      |
|                          | 6 x External USB 2.0                                                                              |
|                          | 4 x External USB 3.2 Gen1x1                                                                       |
|                          | 2 x Internal USB 2.0 :2x4 pin, p=2.0                                                              |
|                          | 1 x PS/2 :1x6 pin                                                                                 |
|                          | 1 x LPT :2x13 pin, p=2.54                                                                         |
| Expansion                | 1 x PCIe x16 :Gen3                                                                                |
|                          | 1 x PCIe x1 :Gen2                                                                                 |
|                          | 2 x PCI Slot                                                                                      |
|                          | 1 x PCIe mini Card Slot :Full-size slot                                                           |

| Other Features        |                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| TPM                   | 2x10 pin                                                                                                                    |
| Power                 |                                                                                                                             |
| Power Consumption     | 3.3V@ 0.93A, 5V@2.99A, 12V@6.88A, 5VSB@0.02A (Intel® Core™ i7-6700K 4.0GHz<br>CPU with 16GB (two 8GB) 2133 MHz DDR4 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

|              |                                                                                                                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IMB-H110-R10 | microATX Motherboard supports 14nm LGA1151 6th Generation Intel®Core i7/i5/i3, Pentium® or Celeron® processor per Intel®H110 , DDR4 , VGA/DVI-I/LVDS, Dual GbE LAN, USB 3.0, SATA 6Gb/s, HD Audio and RoHS |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Packing List

|                          |                |
|--------------------------|----------------|
| 1 x IMB-H110 motherboard | 2 x SATA cable |
| 1 x I/O shielding        | 1 x QIG        |