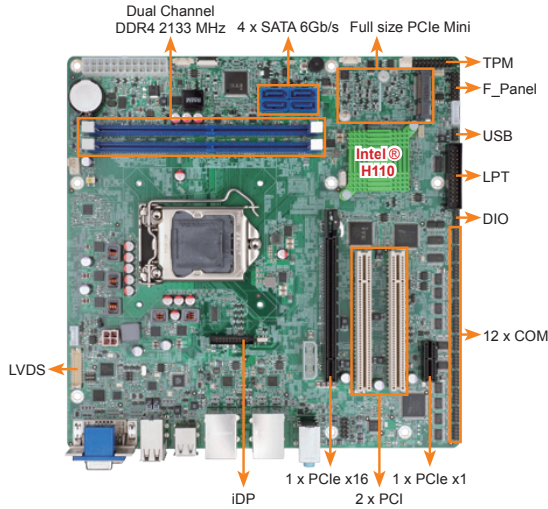
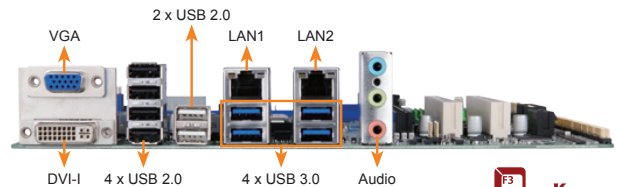


# IMB-H110

microATX Motherboard supports 14nm LGA1151 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor, DDR4, Dual Independent Displays VGA/ DVI-I/LVDS, Dual GbE LAN, USB 3.0, SATA 6Gb/s, HD Audio and RoHS



## Multiple Expansion Support



## Specifications

- ◆ CPU
  - LGA1151 socket supports Intel® skylake-S
- ◆ System Chipset
  - Intel® skylake H110
- ◆ Memory
  - Two 288-pin 2133MHz Dual-Channel DDR4 SDRAM Unbuffered DIMM supported up to 64GB
- ◆ BIOS
  - AMI UEFI BIOS
- ◆ Graphic Engine
  - Intel® HD Graphics Gen 9 Engines with Low power 16 execution unit, supports DX2015, OpenGL 5.X and OpenCL2.x, ES 2.0
- ◆ Display Output
  - Dual display
  - VGA (Chrontel 7517)
  - DVI-I (ASM1442, Chrontel 7517)
  - LVDS (Chrontel 7511)
  - iDP
- ◆ Ethernet
  - LAN1: RTL 8111GN controller
  - LAN2: RTL 8111GN controller
- ◆ External I/O Interface
  - 4 x USB 3.0
  - 6 x USB 2.0
- ◆ Internal I/O Interface
  - 1 x KB/MS (1x6 pin) 2 x RS-232/422/485 (1x4 pin, P=2.0, colay with COM4)
  - 1 x LPT (2 x 13pin, P=2.54) 2 x USB 2.0 (2x4 pin, P=2.0)
  - 4 x SATA 6Gb/s 10 x RS-232 (2x5 pin, P=2.0)
- ◆ LPC to COM
  - F81B66
- ◆ SMBus
  - 1 x SMBus (1x4 pin)
- ◆ TPM
  - 1 x TPM (2x10 pin)
- ◆ Audio
  - Realtek ALC662 HD Audio Codec support 5.1 Channel, (2 Audio Jack colay 3) Front Audio (2x 5 pin) (Line-in, Line-out, Mic)
- ◆ Front Audio
  - 2 x 5-pin pin header
- ◆ Front Panel
  - 1 x Front Panel (2x7 pin, Power LED, HDD LED, Speaker, Power Button, Reset Button)
- ◆ LAN LED
  - 2 x LAN LED (1x2 pin)
- ◆ I<sup>2</sup>C: 1 x I<sup>2</sup>C (1x4 pin)
- ◆ Expansion
  - 1 x PCIe x16 slot (Gen3) 1 x Full-size PCIe Mini card slot 1 x PCIe x1 slot (Gen2) 2 x PCI slot
- ◆ Watchdog Timer: Software programmable support 1~255 sec. system reset
- ◆ Digital I/O: 8-bit Digital I/O (2x5 pin)
- ◆ Fan Connector
  - 1 x CPU smart fan (1x4 pin) 1 x System fan (1x3 pin)
- ◆ Power Supply: ATX/AT Power Supply
- ◆ Power Consumption
  - 3.3V@ 0.93A, 5V@ 2.99A, 12V@ 6.88A, 5VSB@ 0.02A (Intel® Core™ i7-6700K 4.0GHz CPU with 16GB (two 8GB) 2133 MHz DDR4 memory)
  - Operating Temperature: -30°C ~ 70°C
  - Operating Humidity: 5% ~ 9%, non-condensing
  - Weight: GW:1200g, NW: 700g

## Features

- 6th generation LGA1151 Intel® 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

## Packing List

1 x IMB-H110 motherboard	1 x One Key Recovery CD
1 x I/O shielding	1 x QIG
2 x SATA cable	1 x Utility CD

## Ordering Information

Part No.	Description
IMB-H110	microATX motherboard supports 14nm LGA1151 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported, DDR4, Dual independent displays VGA/DVI-I/LVDS, Dual GbE LAN, USB 3.0, SATA 6Gb/s, HD Audio and RoHS
19800-000049-RS	LPT cable
19800-000075-RS	PS/2 KB/MS Y-cable with bracket, 220mm
19800-000112-RS	RS-232 & RS-422/485 cable, 300mm (P=2.00)
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
CF-1156A-RS-R11	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156E-R11	High performance LGA1155/LGA1156 cooler kit, 95W
DP-DP-R10	DisplayPort to DisplayPort converter board (for IEI iDP connector)
DP-DVI-R10	DisplayPort to DVI-D converter board (for IEI iDP connector)
DP-HDMI-R10	DisplayPort to HDMI converter board (for IEI iDP connector)
DP-LVDS-R10	DisplayPort to 24-bit dual-channel LVDS converter board (for IEI iDP connector)
DP-VGA-R10	DisplayPort to VGA converter board (for IEI iDP connector)
TPM-IN01-R11	20-pin infineon TPM module, software management tool, firmware V3.17