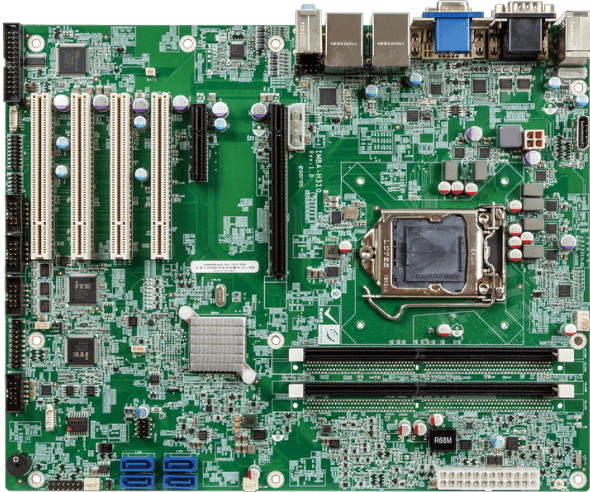


# IMBA-H310

ATX motherboard supports 14nm LGA1151 Intel® H310 8th/9th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor, DDR4, Dual Independent Displays, dual GbE LAN, USB 3.2, SATA 6Gb/s, HD Audio and RoHS



## Features

- » LGA1151 Intel® H310 8th/9th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor
- » Dual-channel DDR4 2666MHz
- » Support dual displays with DVI-D/VGA/DP
- » Support USB 3.2 Gen 1 (5Gb/s) and SATA 6Gb/s

## Specifications

|                             |  |
|-----------------------------|--|
| Form Factor                 |  |
| Form Factor                 | ATX Motherboard  |
| System                      |  |
| CPU                         | LGA1151 Intel® H310 8th/9th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor                          |
| Chipset                     | Intel® H310  |
| Memory                      | Two 288-pin 2666/2400 MHz Dual-Channel DDR4 SDRAM Unbuffered DIMMs supported up to 64GB                            |
| Memory Max.                 | Up to 64GB   |
| Cooling method / System Fan | 1 x CPU fan connector (1x4 pin)<br>2 x System fan connector (1x3 pin)  |
| Physical Characteristics    |  |
| Dimensions (LxWxH) (mm)     | 244mm x 305mm  |
| Net Weight                  | GW:1200g / NW:700g   |
| Storage                     |  |
| Storage                     | 4 x SATA   |
| I/O Interface               |  |
| Display Output              | 1 x Display Port<br>1 x DVI-D<br>1 x VGA   |
| Ethernet                    | 2 x LAN::<br>LAN1: Intel® I219LM PCIe controller<br>LAN2: Intel® I211 AT PCIe controller                           |
| Audio                       | 1 x Front Audio(2x5-pin)<br>1 x Line in<br>1 x Line out<br>1 x Mic   |
| I/O Interface               | 1 x DIO: 8-bit digital I/O (2x5 pin)<br>2 x External RS-232<br>2 x External USB 2.0<br>4 x External USB 3.2 Gen1x1 |

|                       |  |
|-----------------------|--|
|                       | 3 x Internal RS-232(2x5 pin, P=2.54)   |
|                       | 1 x Internal RS-232/422/485(2x5 pin, P=2.54)                                   |
|                       | 2 x Internal USB 2.0(2x4 pin, P=2.54)  |
|                       | 1 x LPT(2x13 pin, P=2.54)  |
|                       | 1 x PS/2(1x6 pin)  |
| Expansion             | 4 x PCI Slot   |
|                       | 1 x PCIe x16(Gen3)   |
|                       | 1 x PCIe x4(Gen2)  |
| <b>Other Features</b> |  |
| TPM                   | 1 x TPM 2.0 connector (2x10 pin)   |
| <b>Power</b>          |  |
| Power Consumption     | 3.3V@0.39A, 5V@2.99A, 12V@3.08A, 5VSB@0.2A                                     |
|                       | (Intel® Core™ i5-8500 up to 3.00 GHz CPU with 20 GB 2400/2133 MHz DDR4 memory) |
| Power Supply          | ATX/AT power supply  |
|                       | Support AT/ATX mode  |
|                       | ErP/EuP Compliant  |
| <b>Environment</b>    |  |
| Operating Temperature | -20°C ~ 60°C   |
| Storage Temperature   | -30°C ~ 70°C   |
| Humidity              | 5% ~ 95%, non-condensing   |
| <b>Certifications</b> |  |
| Safety & EMC          | CE/FCC compliant   |

## Ordering Information

|               |  |
|---------------|--|
| IMBA-H310-R10 | ATX motherboard supports 14nm LGA1151 Intel® H310 8th/9th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor, DDR4, Dual Independent Displays, dual GbE LAN, USB 3.2, SATA 6Gb/s, HD Audio and RoHS |
|---------------|--|

## Packing List

|                                     |                |
|-------------------------------------|----------------|
| 1 x IMBA-H310 single board computer | 2 x SATA cable |
| 1 x I/O shielding                   | 1 x QIG        |