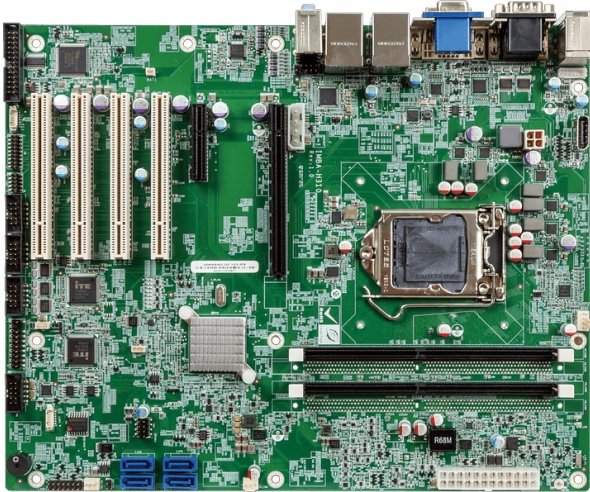


# IMBA-H310

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) 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 1 x DVI-D 1 x VGA
Ethernet	2 x LAN:: LAN1: Intel® I219LM PCIe controller LAN2: Intel® I211 AT PCIe controller
Audio	1 x Front Audio(2x5-pin) 1 x Line in 1 x Line out 1 x Mic
I/O Interface	1 x DIO: 8-bit digital I/O (2x5 pin) 2 x External RS-232 2 x External USB 2.0 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