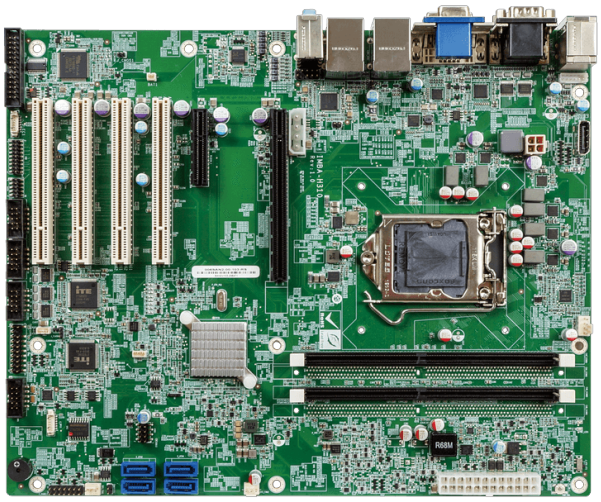
Embedded Computer > Single Board Computer > Industrial Motherboard

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

昊翔科技 15323776600

	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)
Other Features	
TPM	1 x TPM 2.0 connector (2x10 pin)
Power	
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
Environment	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~ 95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

研华科技 18323176600

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