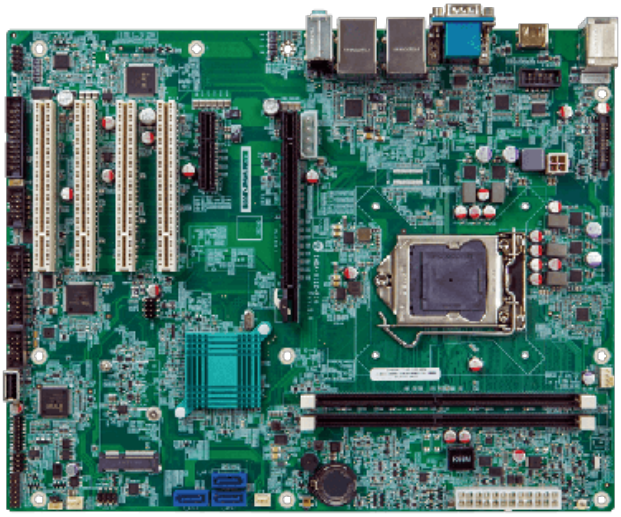
IMBA-H112

ATX Motherboard supports 14nm LGA1151 6th/7th Generation Intel® Core i7/i5/i3, Celeron® and Pentium® processor, DDR4, Dual Independent Displays VGA and HDMI, Dual Intel® GbE LAN, USB 3.2, SATA 6Gb/s, HD Audio and RoHS



Features

1. LGA 1151 Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor supported
2. Dual-channel DDR4 2133MHz
3. Support dual displays with VGA/HDMI/iDP
4. Support USB 3.2 Gen 1 (5Gb/s) and SATA 6Gb/s

Specifications

System	
CPU	LGA 1151 socket supports Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor
Chipset	Intel® H110
Memory	Two 288-pin 2133 MHz dual-channel DDR4 SDRAM unbuffered DIMMs
Memory Max.	64GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	243.8 X 304.8
Net Weight	700g
Storage	
Storage	1 x SATA :support Hot plug
I/O Interface	
Display Output	1 x VGA :up to 1920x1080@60Hz
	1 x HDMI :up to 4096x2160@24Hz
	1 x iDP :for HDMI, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)
Ethernet	2 x LAN :LAN1: Intel® I219V PHY;
	LAN2: Intel® I211 PCIe controller;
Audio	Description: Realtek ALC662 HD Audio Codec support 5.1 Channel
	1 x Line in
	1 x Line out
	1 x Mic
	1 x Front Audio :2x5-pin pin header
I/O Interface	1 x External RS-232
	4 x Internal RS-232 :2x5 pin, P=2.54
	1 x Internal RS-232/422/485 :2x5 pin, P=2.54
	2 x External USB 2.0
	4 x External USB 3.2 Gen1x1

	3 x Internal USB 2.0 :1 X type A, 2 X 2x4 pin, P=2.54
	1 x LPT :2x13 pin, P=2.54
Expansion	1 x PCIe x16 :Gen3
	1 x PCIe x4
	4 x PCI Slot
	1 x PCIe mini Card Slot :Full-size (support mSATA)
Power	
Power Consumption	3.3V@1.53A, 5V@2.95A, 12V@8.38A, 5VSB@3.2A (4.0 GHz Intel® Core™ i7-6700K CPU with two 8 GB 2133 MHz DDR4 memory)
Environment	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-20°C~70°C
Humidity	5% ~ 95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

Ordering Information

IMBA-H112-R10	ATX Motherboard supports 14nm LGA1151 6th Generation Intel® Core i7/i5/i3, Celeron® and Pentium® processor, DDR4, Dual Independent Displays VGA and HDMI, Dual®Intel GbE LAN, USB 3.1, SATA 6Gb/s, HD Audio and RoHS
IMBA-H112-ECO-R10	ATX Motherboard supports 14nm LGA1151 6th/7th Generation Intel® Core i7/i5/i3, Celeron® and Pentium® processor, DDR4, Dual Independent Displays VGA and HDMI, Dual Intel® GbE LAN, USB 3.2, SATA 6Gb/s, HD Audio, ECO packing and RoHS

Packing List

1 x IMBA-H112 single board computer	1 x I/O shielding
2 x SATA cable	1 x QIG