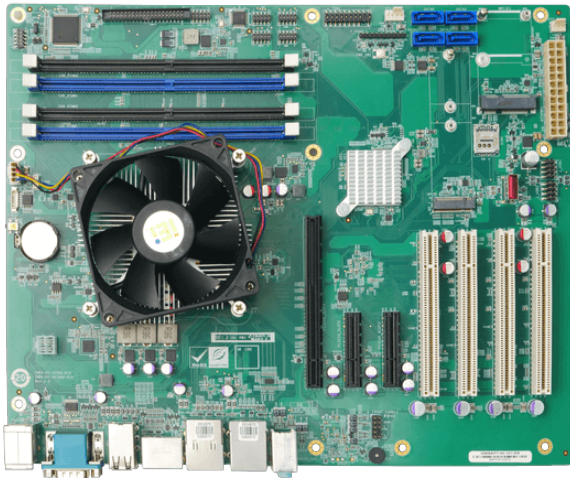


IMBA-KX



Features

Specifications

Certifications	
Safety & EMC	CE/FCC compliant
Environment	
Humidity	5% ~ 95%, non-condensing
Operating Temperature	0°C – 60°C
Storage Temperature	-30°C – 70°C
Form Factor	
Form Factor	ATX Motherboard
I/O Interface	
Audio	1 x Front Audio: 2x5 pin
	1 x HD Audio: Realtek ALC888S HD codec
	1 x Line in
	1 x Line out
	1 x Mic
Display Output	1 x Display Port: up to 3840 x 2160@60Hz
	1 x HDMI™: up to 3840 x 2160@60Hz
	1 x VGA: up to 1920 x 1080 @60Hz
Ethernet	2 x LAN:
	LAN1: Realtek RTL8111H PCIe GbE controller LAN2: Realtek RTL8111H PCIe GbE controller
Expansion	1 x M.2(NGFF): 1 x M.2 B Key(3042/3052/2242/2280) with PCIe x2/USB 3.2 Gen1/SATA
	4 x PCI Slot
	1 x PCIe x16: x8 Signal
	2 x PCIe x4
I/O Interface	1 x DIO: 8-bit digital I/O (2x5 pin)
	1 x External RS-232
	6 x External USB 2.0
	2 x External USB 3.2 Gen1x1
	2 x External USB 3.2 Gen2x1
	9 x Internal RS-232: 2x5 pin, P=2.00
	4 x Internal USB 2.0: 2x4 pin, P=2.54
	1 x Internal USB 3.2 Gen1x1: TYPE-A (5Gb/S)
1 x PS/2	

Physical Characteristics	
Dimensions (LxWxH) (mm)	244mm x 305mm
Net Weight	700g
Power	
Power Consumption	3.3V@0.81A, 5V@3.36A, 12V@3.02A (Zhaoxin KX-U6580 CPU with 4 GB 2133 MHz DDR4 memory)
Power Supply	ATX/AT power supply Support AT/ATX mode ErP/EuP Compliant
Storage	
Storage	1 x M.2(NGFF): B Key (3042/3052/2242/2280) with PCIe x2/USB 3.2 Gen1/SATA 4 x SATA
System	
Chipset	Zhaoxin ZX-200
Cooling method / System Fan	1 x CPU fan connector (1x4 pin) 2 x System fan connector (1x3 pin)
CPU	Zhaoxin Kaixian KX-6000 series 8-core processor Zhaoxin KX-U6580 on-board and Zhaoxin KX-U6780A on-board processor
Memory	Four 288-pin 3200 MHz Dual-Channel DDR4 SDRAM Unbuffered DIMMs (system max. 64GB)
Memory Max.	up to 64GB

Ordering Information

IMBA-KX-U6780A-R10	ATX motherboard supports Zhaoxin 16nm KX-U6780A (70W) on-board processor with triple independent displays, DDR4, dual GbE LAN, M.2, PCIe Mini, USB 3.2, SATA 6Gb/s, COM, Audio and RoHS
IMBA-KX-U6580-R10	ATX SPC with Zhaoxin 16nm KX-U6580 (70W) Processor with Triple Displays, DDR4, Dual RTL GbE, M.2, PCIe Mini, USB 3.2, SATA, COM, Audio, SoC, RoHS