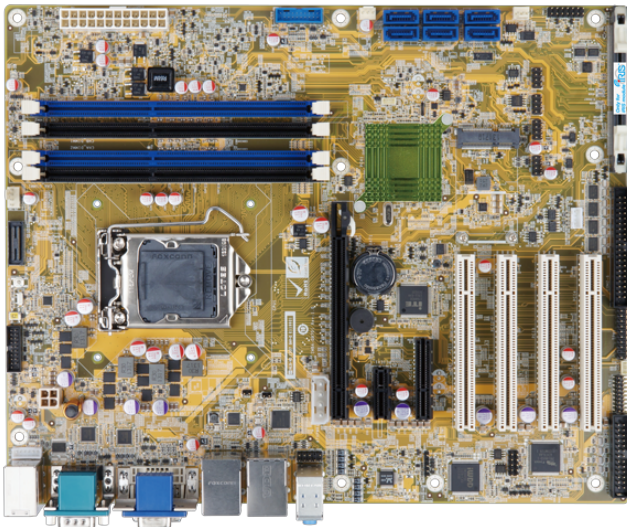


# IMBA-Q870

ATX motherboard supports 22nm LGA1150 Intel® Core™ i7/i5/i3, Pentium® and Celeron® CPU per Intel® Q87



## Features

- » LGA1150 4th generation Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- » Dual-channel DDR3 1600/1333 MHz
- » Intel® PCIe GbE with Intel® AMT 9.0 support
- » Support triple independent display with HDMI™, DVI and VGA and iDP
- » Support PCI Express generation 3.0 at 8GT/s I/O bandwidth
- » USB 3.0 and SATA 6Gb/s mSATA supported
- » IEI jumper-less function
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery
- » Support IPMI 2.0 via iRIS-2400 module

## Specifications

System	
CPU	LGA1150 4th generation Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
Chipset	Intel® Q87
Memory	Four 240-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs
Memory Max.	32GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	244 X 305
Net Weight	700g
Storage	
Storage	6 x SATA :6Gb/s(RAID 0/1/5/10 supported)
	1 x mSATA :colay SATA 6
I/O Interface	
Display Output	1 x VGA :up to 1920x1200@60Hz
	1 x DVI-D :up to 2560x1600@60Hz
	1 x HDMI™ :up to 2560x1600@60Hz
	1 x iDP :interface for HDMI™, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)
Ethernet	2 x LAN :LAN1: Intel® I217LM with Intel® AMT 9.0 support
	LAN2: Intel® I210-AT PCIe controller with NCSI support
Audio	Description: Realtek ALC662 HD codec supports 5.1-channel
	1 x Line in :on rear IO
	1 x Line out :on rear IO
	1 x Mic :on rear IO
	1 x Front Audio :2x5 pin
I/O Interface	1 x External RS-232
	4 x Internal RS-232 :2x20 pin, p=2.54
	1 x Internal RS-422/485 :1x4 pin, p=2.54
	3 x External USB 2.0
	4 x External USB 3.2 Gen1x1
	4 x Internal USB 2.0 :2x4 pin, p=2.54
	2 x Internal USB 3.2 Gen1x1 :2x10 pin, p=2.0

	2 x PS/2 :1 X 1x6 pin
	1 x LPT :2x13 pin, p=2.54
Expansion	1 x PCIe x16 :Gen3
	1 x PCIe x4
	1 x PCIe x1
	1 x PCI Slot
<b>Other Features</b>	
iRIS	1 X iRIS-2400 slot
TPM	2x10 pin
<b>Power</b>	
Power Consumption	3.3V@0.66A, 5V@4.34A, 12V@0.16A, Vcore_12V@4.01A, 5VSB@0.21A (Intel® Core™ i7-4770K 3.90 GHz CPU with 16 GB (4x4 GB) 1333 MHz DDR3 memory)
Power Supply	Support ATX mode
<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-Q870-i2-R10	ATX Motherboard supports 22nm LGA1150 Intel Core™ i7/i5/i3/Pentium and Celeron CPU per Intel Q87,DDR3,Three Independent Displays VGA/DVI-D/HDMI™/iDP,Dual Intel GbE,USB 3.0,SATA 6Gb/s, Audio, iRIS-2400 and RoHS
IMBA-Q870-ECO-R10	LGA1150 Intel® Core™ i7/i5/i3, Pentium® and Celeron® CPU per Intel® Q87, DDR3, Triple Independent Display VGA/DVI-D/HDMI™/iDP, USB 3.0, SATA 6Gb/s, ECO packing and RoHS

## Packing List

1 x IMBA-Q870-i2 single board computer	2 x SATA cable
1 x I/O shielding	1 x QIG