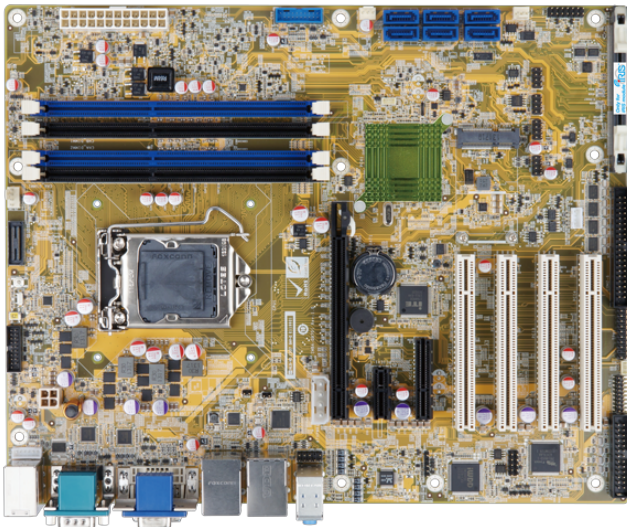


IMBA-Q870

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 |
| Other Features | |
| iRIS | 1 X iRIS-2400 slot |
| TPM | 2x10 pin |
| Power | |
| 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 |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| Storage Temperature | -30°C ~ 70°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| 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 |