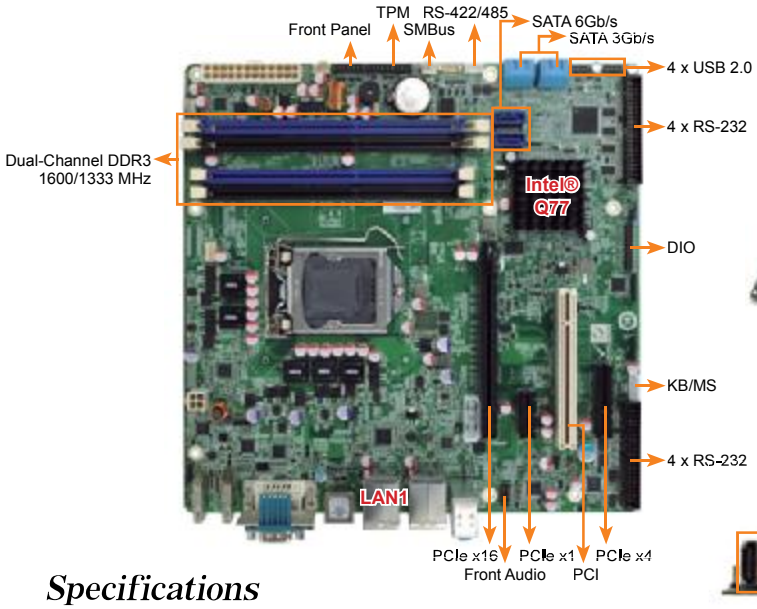
KXIMB-Q770

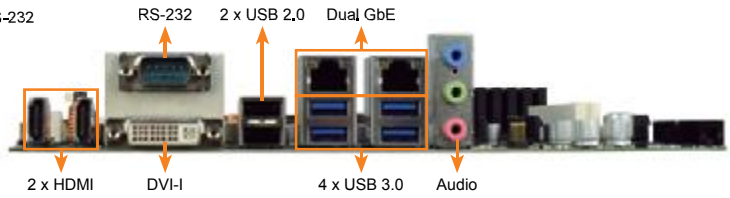
microATX Motherboard Supports 22nm LGA1155 Intel® Core™ i7/i5/i3 CPU with Intel® Q77, DDR3, Three Independent Displays via Dual HDMI/DVI-I, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, Ten Serial Ports, HD Audio and RoHS



LGA1155 CPU cross compatibility

New

This LGA1155 socket compatible with 3nd (IVB) and 2nd (SNB) CPU. It can get one year expanded product lifespan and the new technologies when you use backward 2nd CPU on Intel® 7 series platform.



Specifications

- CPU
  LGA1155 socket supports Intel® Core™ i7/i5/i3 quad/dual core processor
- System Chipset
  Intel® Q77
- Memory
  Four 240-pin 1600/1333MHz dual-channel DDR3 SDRAM unbuffered DIMMs supported (system max. 32GB)
- BIOS
  UEFI BIOS
- Ethernet
  Intel® 82583V PCIe controller
  Intel® 82579 PHY with Intel® AMT 8.0 supported
- Graphics Engine
  Intel® HD Graphics Gen 7 supports DX11 and OpenCL 1.1
  Full MPEG2, VC1, AVC Decode
- Display Output
  Dual HDMI integrated in the Intel® Q77 (up to 1920 x 1200 @60Hz)
  DVI-I integrated in the Intel® Q77 (up to 1920 x 1200 @60Hz)
- Super I/O
  Fintek F81866
- Audio
  Realtek ALC662 HD audio codec (Line-in, Line-out, Mic)
- I/O interface
  9 x RS-232 1 x RS-422/485
  4 x USB 3.0 (rear I/O) 6 x USB 2.0 (2 on rear, 2 by pin header)
  2 x SATA 6Gb/s (RAID 0/1/5/10 support)
  4 x SATA 3Gb/s (RAID 0/1/5/10 support)
  1 x 6-pin wafer for PS/2 KB/MS
- Front Audio
  2 x 5-pin header
- Front Panel
  1 x Front panel connector (power LED, HDD LED, speaker, power button, reset button)
- TPM
  2 x 10-pin header
- SMBus
  1 x 4-pin wafer
- I2C
  1 x 4-pin wafer
- Infrared Interface
  1 x 5-pin infrared by pin header
- Expansions
  1 x PCIe x16 slot 1 x PCIe x4 slot
  1 x PCIe x1 slot 1 x PCI slot
- Watchdog Timer
  Software programmable supports 1~255 sec. system reset
- Digital I/O
  24-bit Digital I/O (12-bit input, 12-bit output)
- Fan Connector
  1 x 4-pin CPU fan connector
  2 x 3-pin system fan connector
- Power Supply
  ATX power supply
- Power Consumption
  3.3V@0.31A, 5V@2.91A, 12V@0.51A, 12V@2.12A, -12V@0.10A
  (Intel® Core™ i3 3200 3.2GHZ CPU with four 1333MHz 1GB DDR3 memory)
- Operating Temperature
  -10°C ~ 60°C
- Operating Humidity
  5% ~ 95%, non-condensing
- Dimensions
  244 mm x 244 mm
- Weight
  GW: 1200g/NW: 700g

Features

1. LGA1155 Intel® Core™ i7/i5/i3 processor supported
2. Dual-channel DDR3 1600/1333MHz supports up to 32GB
3. Intel® PCIe GbE with Intel® AMT 8.0 supported
4. Supports 3 displays with 2 displays in combination of HDMI, DVI and VGA
5. Supports PCI-Express generation 3.0 at 8GT/s I/O bandwidth
6. USB 3.0 and SATA 6Gb/s supported
7. Supports much scalable serial ports
8. One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x KXIMB-Q770 single board computer	
1 x DVI-I to VGA adapter (P/N: 33Z00-000031-RS)	
4 x SATA cable (P/N: 32801-000703-200-RS)	1 x Mini jumper pack
1 x I/O shielding	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
KXIMB-Q770-R10	microATX motherboard supports 22nm LGA1155 Intel® Core™ i7/i5/i3 CPU with Intel® Q77, DDR3, three independent displays via dual HDMI/DVI-I, dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, ten serial ports, HD Audio and RoHS
19800-003100-200-RS	Dual-port USB cable with bracket
32205-003800-100-RS	RS-422/485 cable, 200mm
32205-001203-100-RS	Quad-port RS-232 cable without bracket, 400/400/400/400mm
32102-000100-200-RS	SATA power cable
19800-000075-RS	PS/2 KB/MS Y-cable with bracket, 220mm
CF-1156A-RS-R11	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156C-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 45W
CF-1156D-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 65W
CF-1156E-RS-R11	High performance LGA1155/LGA1156 cooler kit, 95W
TPM-IN01-R11	20-pin Infineon TPM module, SW management tool, firmware V3.17