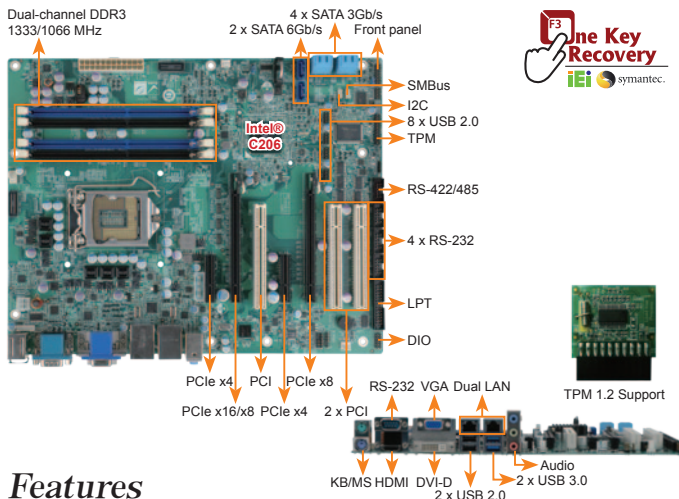


# IMBA-C2060-R20

ATX motherboard supports 32nm LGA1155 Intel® Xeon® E3/Core™ i3/ Celeron® CPU per Intel® C206, DDR3, VGA/DVI/HDMI, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, Audio and RoHS



## Features

1. LGA1155 Intel® Xeon® E3 and Intel® Core™ i3 processor supported
2. Dual-channel 1333 MHz DDR3 supports up to 32 GB memory
3. Intel® PCIe GbE with Intel® AMT 7.0 support
4. Providing high-speed graphics interface by two PCIe x8/PCIe x4 add-on cards
5. USB 3.0 and SATA 6Gb/s supported
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- ◆ CPU: LGA1155 socket supports Intel® Xeon® E3 quad/dual, core™ i3 dual, Celeron® dual core processor
- ◆ System Chipset: Intel® C206
- ◆ Memory: Four 240-pin 1333/1066MHz dual-channel DDR3 SDRAM ECC and non-ECC unbuffered DIMM supported (system max. 32GB)
- ◆ BIOS: UEFI BIOS
- ◆ Ethernet: LAN1: Intel® 82574L PCIe controller; LAN2: Intel® 82579 PHY with Intel® AMT 7.0 supported
- ◆ Graphics Engine: Support for DX10.1 and OpenGL3.0, Full MPEG2, VC1, AVC Decode
- ◆ Display Output: Dual display supported; 1 x VGA; 1 x HDMI; 1 x DVI-D
- ◆ Super I/O: Fintek F81866
- ◆ Audio: Realtek ALC892 HD Audio codec (Line-in, Line-out, Mic)
- ◆ I/O Interface: 5 x RS-232 (1 x RS-422/485); 1 x LPT; 1 x PS/2 KB/MS; 4 x SATA 3Gb/s with RAID 0/1/5/10 support; 2 x SATA 6Gb/s with RAID 0/1/5/10 support; 10 x USB 2.0 (2 by rear IO, 8 by pin header); 2 x USB 3.0 by NEC D720200F1
- ◆ Front Audio: 2 x 5-pin header

- ◆ TPM: 1 x TPM connector (2x10 pin)
- ◆ SMBus: 1 x 4-pin wafer
- ◆ I2C: 1 x 4-pin wafer
- ◆ Expansion: 2 x PCIe x16 (share 1 PCIe x16 signal); 2 x PCIe x4 slots; 3 x PCI slots
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O: 8-bit digital I/O (4-bit input, 4-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@1.61, 5V@2.79A 12V@0.50A, Vcore@5.59A, 5VSB@0.16A (Intel® Xeon® E3-1275 3.40GHz CPU with four 1333MHz 2GB DDR3 memory)
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Storage Temperature: -20°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244mm x 305mm
- ◆ Weight: GW:1200g, NW: 700g

Slot	PCIe x16	PCIe x8	PCIe x4	PCI
Configuration 1	1	N/A	2	3
Configuration 2	N/A	2	2	3
Configuration 3	N/A	1	2	3

## Packing List

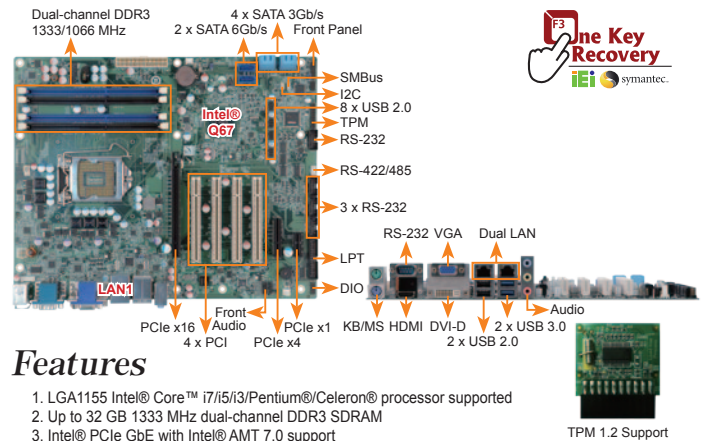
IMBA-C2060-R20 single board computer	
1 x I/O shielding (P/N: 45014-0028C0-01-RS)	1 x Mini jumper pack
4 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

## Ordering Information

Part No.	Description
IMBA-C2060-R20	ATX motherboard supports 32nm LGA1155 Intel® Xeon® E3/ Core™ i3/Celeron® CPU per Intel® C206, DDR3, VGA/DVI/HDMI, dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, Audio and RoHS
19800-003100-300-RS	Dual ports USB cable with bracket
32102-000100-200-RS	SATA power cable
32205-003800-300-RS	RS-422/485 cable, 200mm
CF-1156A-RS-R11	High performance LGA1155/LGA1156 cooling kit, 1U chassis compatible, 73W
CF-1156E-R11	High performance LGA1155/LGA1156 cooling kit, 95W
19800-000049-RS	LPT cable
19800-000051-RS	RS-232 cable, 230mm
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17

# IMBA-Q670-R30

ATX motherboard supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® Q67, DDR3, VGA/DVI-D/HDMI, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio and RoHS



## Features

1. LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor supported
2. Up to 32 GB 1333 MHz dual-channel DDR3 SDRAM
3. Intel® PCIe GbE with Intel® AMT 7.0 support
4. USB 3.0 and SATA 6Gb/s supported
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- ◆ CPU: LGA1155 socket supports Intel® Core™ i7/i5/i3/ Pentium®/Celeron® processor
- ◆ System Chipset: Intel® Q67
- ◆ Memory: Four 240-pin 1333/1066MHz dual-channel unbuffered DDR3 SDRAM DIMM supported (system max. 32GB)
- ◆ BIOS: UEFI BIOS
- ◆ Ethernet: LAN1: Intel® 82583V PCIe controller; LAN2: Intel® 82579 PHY with Intel® AMT 7.0 supported
- ◆ Graphics Engine: Support for DX10.1 and OpenGL3.0; Full MPEG2, VC1, AVC Decode
- ◆ Display Output: Dual display supported; 1 x VGA; 1 x HDMI; 1 x DVI-D
- ◆ Super I/O: Fintek F81866
- ◆ Audio: Realtek ALC662 HD Audio codec (Line-in, Line-out, Mic)
- ◆ Front Audio: 1 x 10-pin header
- ◆ TPM: 1 x TPM connector (2x10 pin)
- ◆ SMBus: 1 x 4-pin wafer
- ◆ I2C: 1 x 4-pin wafer
- ◆ I/O Interface: 5 x RS-232 (1 x RS-422/485); 1 x LPT; 1 x PS/2 KB/MS; 4 x SATA 3Gb/s with RAID 0/1/5/10 support; 2 x SATA 6Gb/s with RAID 0/1/5/10 support; 2 x USB 3.0 by NEC D720200F1; 10 x USB 2.0 (2 by Rear IO, 8 by pin header)
- ◆ Expansion: 1 x PCIe x16 slot; 1 x PCIe x1 slot; 1 x PCIe x4 slot; 4 x PCI slots
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O: 8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Fan Connector: 1 x 4-pin CPU Fan Connector; 2 x 3-pin system Fan Connectors
- ◆ Power Supply: ATX/AT power supply
- ◆ Power Consumption: 3.3V@1.65A, 5V@6.31A, 12V@0.18A, Vcore@7.88A, 5VSB@0.15 (Intel® Core™ i5-2400 3.10GHz CPU with four 4 GB 1333MHz DDR3 memory)
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Storage Temperature: -20°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244mm x 305mm
- ◆ Weight: GW:1200g, NW: 700g

## Packing List

1 x IMBA-Q670 single board computer	
1 x I/O shielding (P/N: 45014-0028C0-01-RS)	1 x Mini jumper pack
4 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

## Ordering Information

Part No.	Description
IMBA-Q670-R30	ATX motherboard supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® Q67, DDR3, VGA/DVI-D/HDMI, dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio and RoHS
19800-003100-300-RS	Dual-port USB cable with bracket
32102-000100-200-RS	SATA power cable
32205-003800-300-RS	RS-422/485 cable, 200mm
19800-000049-RS	LPT cable
19800-000051-RS	RS-232 cable, 230mm
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17
CPU-DT-i5-2500T	Intel® Core™ i5-2500T processor, LGA1155, quad core 2.3GHz, 6M cache, 45W, compatible with CF-1156C-RS CPU cooler
CPU-DT-i5-2390T	Intel® Core™ i5-2390T processor, LGA1155, dual core 2.7GHz, 3M cache, 35W, AMT, compatible with CF-1156C-RS CPU cooler
CPU-DT-i3-2120T	Intel® Core™ i3-2120T processor, LGA1155, dual core 2.6GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-P-G630T	Intel® Pentium® G630T processor, LGA1155, dual core 2.3GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-C-G440	Intel® Celeron® G440 processor, LGA1155, single core 1.6GHz, 1M cache, 35W, compatible with CF-1156C-RS CPU cooler
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-R11	High-performance LGA1155/LGA1156 cooler kit, 95W