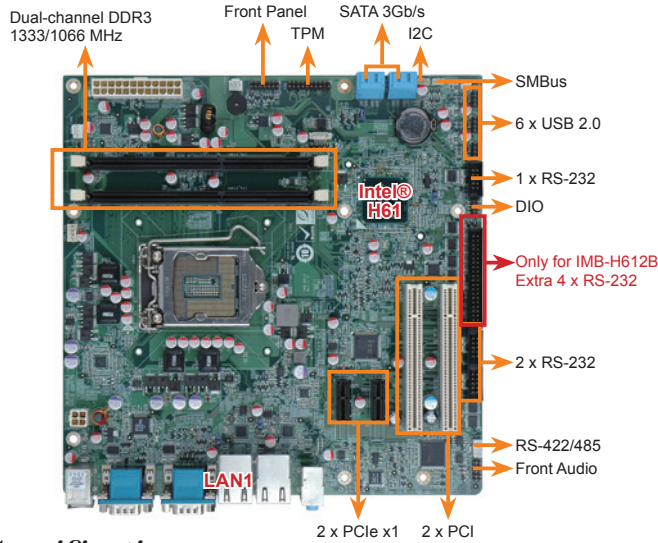


IMB-H612A IMB-H612B

microATX motherboard supports 32nm LGA1155 Intel® Core™ i7/i5/i3 CPU per Intel® H61, DDR3, Dual VGA, Dual PCIe GbE, USB 2.0, PCI, 6 COM, SATA 3Gb/s, Audio and RoHS

microATX motherboard supports 32nm LGA1155 Intel® Core™ i7/i5/i3 CPU per Intel® H61, DDR3, Dual VGA, Dual PCIe GbE, USB 2.0, PCI, 10 COM, SATA 3Gb/s, Audio and RoHS



Specifications

- ◆ CPU
LGA1155 socket supports Intel® Core™ i7/i5/i3 quad/dual, Pentium® dual, Celeron® dual/single core processor
- ◆ System Chipset
Intel® H61
- ◆ Memory
Two 240-pin 1333/1066MHz dual-channel DDR3/DDR3L (1.35V) SDRAM unbuffered DIMM supported (system max. 16GB)
- ◆ BIOS
UEFI BIOS
- ◆ Ethernet
Dual Realtek RTL8111E PCIe GbE controller, LAN1 with ASF 2.0 supported
- ◆ Graphics Engine
VGA1: Intel® HD Graphics 2000/3000 (Base on CPU type)
Support for DX10.1 and OpenGL 3.0
Full MPEG2, VC1, AVC Decode
Resolution supports up to 2048 x 1536 @75Hz
VGA2: Chronitel CH7317B
Resolution supports up to 1920 x 1200 @60Hz
- ◆ Display Output
Dual display supported
2 x VGA
- ◆ Super I/O
Fintek F81866
- ◆ PCIe to PCI Bridge IC
ITE IT8893E
- ◆ Audio
Realtek ALC662 HD Audio codec (Line-in, Line-out, Mic)
- ◆ I/O Interface
1 x PS/2 KB/MS 4 x SATA 3Gb/s without RAID & AHCI
1 x RS-422/485 10 x USB 2.0 (4 by rear IO, 6 by pin header)
5 x RS-232 (for IMB-H612A-R10) / 9 x RS-232 (for IMB-H612B-R10)
- ◆ Front Audio
2 x 5-pin header
- ◆ TPM
2 x 10-pin header
- ◆ SMBus
1 x 4-pin wafer
- ◆ I2C
1 x 4-pin wafer
- ◆ Expansions
2 x PCIe x1 slots
2 x PCI slots
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O
8-bit programmable I/O
- ◆ Fan Connector
1 x 4-pin CPU fan connector
2 x 3-pin system fan connector
- ◆ Power Supply
AT/ATX power supply supported
- ◆ Power Consumption
12V@0.27A, Vcore@5.3A, 5V@2.0A, 3.3V@1.0A
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Operating Humidity
5% ~95%, non-condensing
- ◆ Dimensions
244mm x 244mm
- ◆ Weight
GW: 1200g/NW: 680g

Simple I/O, Easy Way

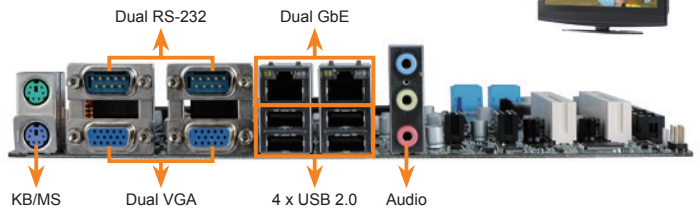
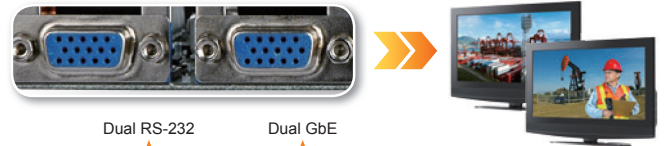
The IMB-H612 has two RS-232 and VGA ports on the rear I/O panel to make it easy for cable-less solutions and dual display.



Cable-less for RS-232 devices



Easy dual display setup



Features

1. LGA1155 Intel® Core™ i7/i5/i3 processor supported
2. Dual-channel 1333MHz DDR3/DDR3L (1.35V) supports up to 16GB
3. Intel® HD Graphics technology integrates high-performance graphics and media processing
4. Supports independent display output via dual VGA
5. Supports legacy PCI 32-bit 33/66MHz
6. Supports lower power 1.35V DDR3 memory
7. TPM V1.2 hardware security function supported by TPM module
8. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x IMB-H612 single board computer	
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
IMB-H612A-R10	microATX motherboard supports 32nm LGA1155 Intel® Core™ i7/i5/i3 CPU per Intel® H61, DDR3, VGA, dual PCIe GbE, PCI, 6 COM, LPT, USB 2.0, SATA 3Gb/s, Audio and RoHS
IMB-H612B-R10	microATX motherboard supports 32nm LGA1155 Intel® Core™ i7/i5/i3 CPU per Intel® H61, DDR3, VGA, dual PCIe GbE, PCI, 10 COM, LPT, USB 2.0, SATA 3Gb/s, Audio and RoHS
19800-003100-100-RS	Dual-port USB cable with bracket
32205-003800-100-RS	RS-422/485 cable, 200mm
32102-000100-200-RS	SATA power cable
CF-1156A-RS	High-performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156B-RS	High-performance LGA1155/LGA1156 cooler kit, 95W
CF-1156C-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 45W
CF-1156D-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 65W
32205-001203-100-RS	Quad-port RS-232 cable with bracket, 400/400/400/400MM
19800-000049-RS	LPT cable
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17