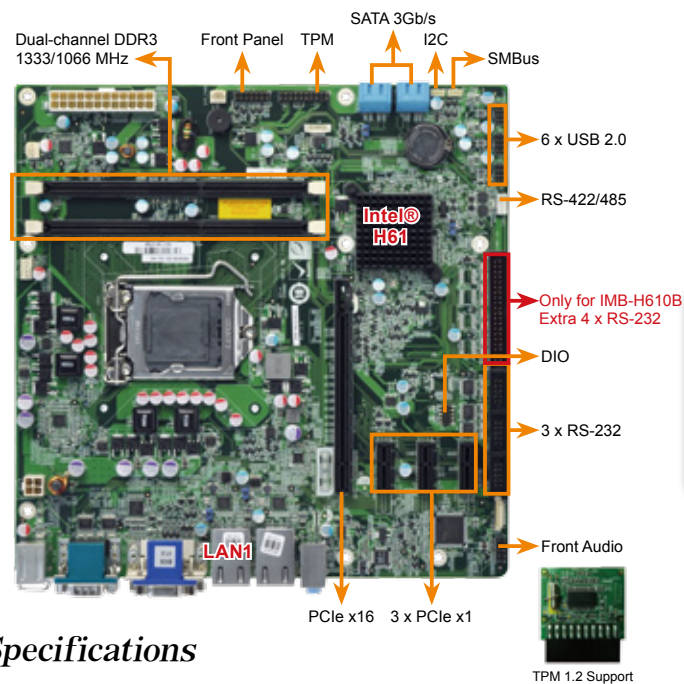


IMB-H610A

IMB-H610B

microATX motherboard supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® H61, DDR3, VGA/DVI-D, dual Realtek PCIe GbE, USB 2.0, 6 x COM, SATA 3Gb/s, HD Audio and RoHS

microATX motherboard supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® H61, DDR3, VGA/DVI-D, dual Realtek PCIe GbE, USB 2.0, 10 x COM, SATA 3Gb/s, HD Audio and RoHS



Application Level

New

The IMB-H61 platform with Intel® 35W CPU is cost-efficient and fulfills common application needs.

High Cost

Low Value

Premium

Standard

Basic

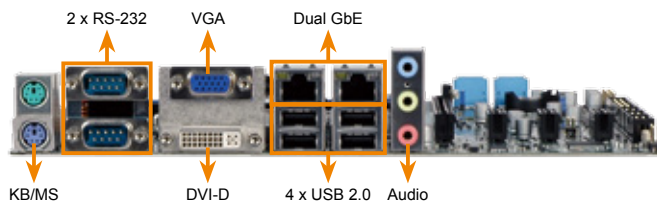
Position



2nd Gen. Core i5/i3 CPU



Small size board by IMB-H610



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 1333/1066 MHz dual-channel unbuffered DDR3 SDRAM DIMMs supported (system max. 16GB)
- ◆ BIOS
UEFI BIOS
- ◆ Ethernet
Dual Realtek RTL8111E PCIe GbE controller, LAN1 with ASF 2.0 support
- ◆ Graphics Engine
Intel® HD Graphics 2000/3000 (based on CPU type)
Support for DX10.1 and OpenGL 3.0
Full MPEG2, VC1, AVC Decode
- ◆ Display Output
Dual display supported
1 x VGA
1 x DVI-D
- ◆ Super I/O
Fintek F81866
- ◆ Audio
Realtek ALC662 HD Audio codec (Line-in, Line-out, Mic)
- ◆ I/O Interface
5 x RS-232 (for IMB-H610A-R10) / 9 x RS-232 (for IMB-H610B-R10)
1 x RS-422/485 4 x SATA 3Gb/s without RAID & AHCI
1 x PS/2 KB/MS 10 x USB 2.0 (4 by rear IO, 6 by pin header)
- ◆ Front Audio
1 x 10-pin header
- ◆ Front Panel
1 x Front panel connector (power LED, HDD LED, speaker, power button, reset button)
- ◆ TPM
1 x 20-pin header
- ◆ SMBus
1 x 4-pin wafer
- ◆ I2C
1 x 4-pin wafer
- ◆ Expansions
1 x PCIe x16 slot
3 x PCIe x1 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
ATX/AT power supply
- ◆ Power Consumption
3.3V@1.75A, 5V@6.61A, Vcore@3.68A, 12V@0.09A, 5sb@0.12A
(Intel® 2.60GHz CPU with two 1333MHz 4GB DDR3 memory)
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Operating Humidity
5% ~95%, non-condensing
- ◆ Dimensions
244mm x 244mm
- ◆ Weight
GW: 1200g/NW: 680g

Features

1. LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor supported
2. Up to 16 GB 1333 MHz dual-channel DDR3 SDRAM
3. Intel® HD Graphics technology integrates high-performance graphics and media processing
4. TPM V1.2 hardware security provided by the TPM module
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x IMB-H610 single board computer	
4 x SATA cable (P/N: 32801-000703-200-RS)	1 x Mini jumper pack
1 x I/O shielding (P/N: 45014-0008C0-00-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
IMB-H610A-R10	microATX motherboard supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® H61, DDR3, VGA/DVI-D, dual Realtek PCIe GbE, USB 2.0, 6 COM, SATA 3Gb/s, HD Audio and RoHS
IMB-H610B-R10	microATX motherboard supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® H61, DDR3, VGA/DVI-D, dual Realtek PCIe GbE, USB 2.0, 10 COM, SATA 3Gb/s, HD Audio and RoHS
19800-003100-200-RS	Dual-port USB cable with bracket
32205-003800-100-RS	RS-422/485 cable, 200mm
32102-000100-200-RS	SATA power cable
32205-001203-100-RS	Quad-port RS-232 cable without bracket, 400/400/400/400mm
19800-003600-100-RS	Dual-port RS-232 cable
19800-000114-RS	Single-port RS-232 cable
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-i3-2100T	Intel® Core™ i3-2100T processor, LGA1155, dual core 2.5GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-P-G620T	Intel® Pentium® G620T processor, LGA1155, dual core 2.2GHz, 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	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