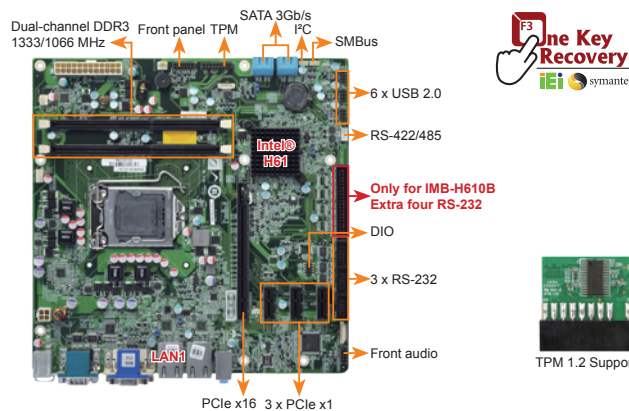


# IMB-H610A

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, six COMs, SATA 3Gb/s, HD Audio and RoHS



## Specifications

- ◆ CPU  
LGA1155 socket supports Intel® Core™ i7/i5/i3 quad/dual, Pentium® dual and Celeron® dual/single core processors
- ◆ Chipset: Intel® H61
- ◆ Memory  
Two 240-pin 1333/1066 MHz dual-channel DDR3 SDRAM unbuffered DIMMs support up to 16GB
- ◆ BIOS: UEFI BIOS
- ◆ Ethernet  
LAN1: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support  
LAN2: Realtek RTL8111E PCIe GbE controller
- ◆ Graphics Engine  
Intel® HD Graphics 2000/3000 (based on CPU type)  
Supports DX10.1 and OpenGL 3.0  
Full MPEG2, VC1, AVC Decode
- ◆ External I/O Interface  
1 x KB/MS      2 x RS-232      4 x USB 2.0
- ◆ Internal I/O Interface  
1 x RS-422/485 (1x4 pin, P=2.0)  
4 x SATA 3Gb/s      6 x USB 2.0 (2x4 pin, P=2.54)  
3 x RS-232 (2x5 pin, P=2.54, for IMB-H610A-R10)  
8 x RS-232 (2x5 pin, P=2.54, for IMB-H610B-R10)
- ◆ Display Output  
Dual display supported  
1 x VGA (up to 2048x1536@75Hz)  
1 x DVI-D (up to 1920x1200@60Hz)
- ◆ Audio  
Realtek ALC662 HD Audio codec  
3 x Audio jacks (line-out, line-in, mic-in) on rear IO  
1 x Front audio (2x5 pin)
- ◆ Front Panel: 1 x Front panel (2x7 pin, power LED, HDD LED, speaker, power button, reset button)
- ◆ TPM: 1 x TPM (2x10 pin)
- ◆ SMBus: 1 x SMBus (1x4 pin)
- ◆ I°C: 1 x I°C (1x4 pin)
- ◆ Expansion  
1 x PCIe x16 slot  
3 x PCIe x1 slot
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O: 8-bit digital I/O (2x5 pin)
- ◆ Fan Connector  
1 x CPU smart fan (1x4 pin)  
2 x System fan (1x3 pin)
- ◆ Power Supply: ATX 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 1333 MHz 4 GB DDR3 memory)
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Storage Temperature: -20°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244 mm x 244 mm
- ◆ Weight: GW: 1200g / NW: 680g

## Packing List

1 x IMB-H610 single board computer	
1 x I/O shielding	1 x One Key Recovery CD
4 x SATA cable	1 x QIG
1 x Mini jumper pack	1 x Utility CD

## 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
19800-003100-300-RS	Dual port USB cable with bracket, 300mm, P=2.54
19800-003600-100-RS	RS-232 cable with bracket, Dual 10-pin to dual DB-9, 400mm, P=2.54
19800-010900-200-RS	RS-232 cable with bracket, 230mm, P=2.54
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
32205-001203-200-RS	RS-232 cable, 40-pin to four DB-9, 400mm, P=2.54
32205-003800-300-RS	RS-422/485 cable, 200mm, P=2.0
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
CPU-DT-C-G440	Intel® Celeron® G440 processor, LGA1155, single core 1.6GHz, 1M cache, 35W, 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-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-i5-2500T	Intel® Core™ i5-2500T processor, LGA1155, quad core 2.3GHz, 6M cache, 45W, 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
TPM-IN01-R20	20-pin Infineon TPM module, software management tool, firmware v3.17