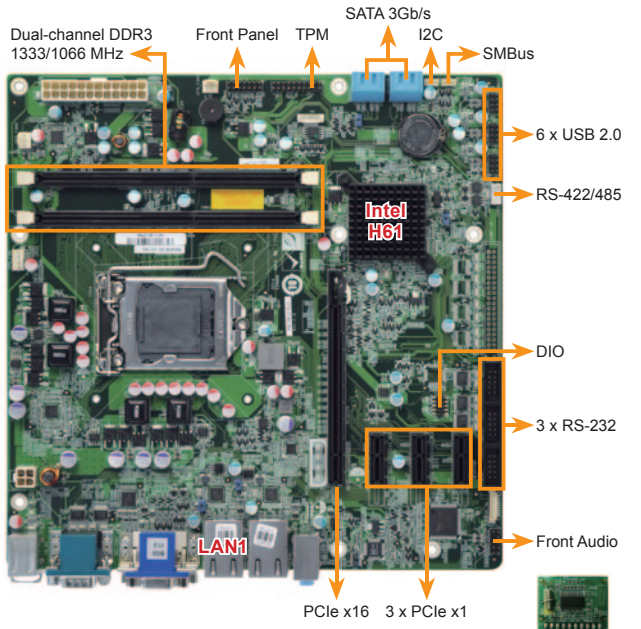
IMB-H610

Micro ATX 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, COM, SATA 3Gb/s, HD Audio and RoHS



TPM 1.2 Support

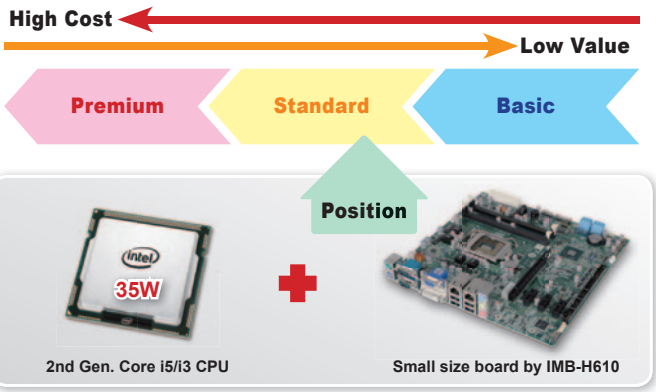
Specifications

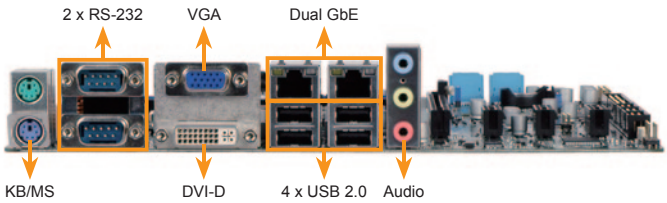
- CPU
  LGA1155 socket supports Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- System Chipset
  Intel® H61
- Memory
  Two 240-pin 1333/1066 MHz dual-channel unbuffered DDR3 SDRAM DIMMs supported (system max. 16GB)
- BIOS
  UEFI BIOS
- Ethernet
  Dual Realtek RTL8111E PCIe GbE controllers, LAN1 with ASF2.0 supported
- 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
  VGA Integrated in Intel® H61
  DVI-D Integrated in Intel® H61
- Super I/O
  Fintek F81866
- Audio
  Realtek ALC662 HD Audio codec (Line-in, Line-out, Mic)
- I/O interface
  5 x RS-232 1 x RS-422/485
  4 x SATA 3Gb/s 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
- Expansion
  1 x PCIe x16 slot
  3 x PCIe x1 slots
- Watchdog Timer
  Software programmable support 1~255 sec system reset
- Digital I/O
  8-bit programmable I/O
- Fan Connector
  1 x 4-pin CPU fan connectorr
  2 x 3-pin system fan connectors
- Power Supply
  ATX / AT power supply
- Power Consumption
  3.3V@1.75A, 5V@6.61A , 12V@3.68A, 12V@0.09A, 5VSb@0.12
  (Intel® 2.60GHz CPU with two 1333 MHz 4GB DDR3 DIMMs)
- Operating Temperature
  -10°C ~ 60°C
- Operating Humidity
  5% ~95%, non-condensing
- Dimensions
  244mm x 244mm
- Weight
  GW: 1200g / NW: 680g

Application Level

New

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





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: 32000-062800-RS)	
1 x I/O Shielding (P/N: 45014-0008C0-00-RS)	1 x Mini Jumper Pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IMB-H610-R10	Micro ATX 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, COM, SATA 3Gb/s, HD Audio and RoHS
19800-003100-200-RS	Dual-port USB cable with bracket
32200-074800-RS	RS-422/485 cable, 200mm
32102-000100-200-RS	SATA power cable
32205-001203-100-RS	Quad-port RS-232 cable with bracket, 400/400/400/400mm
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