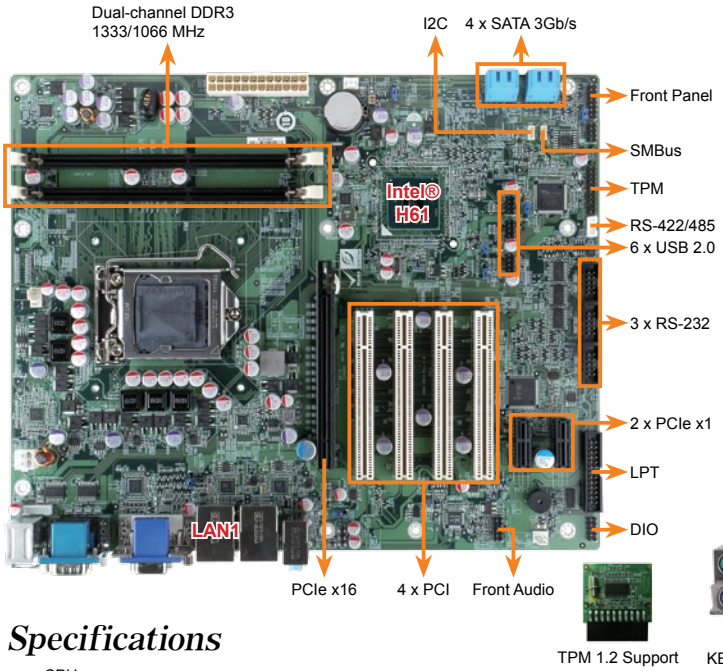
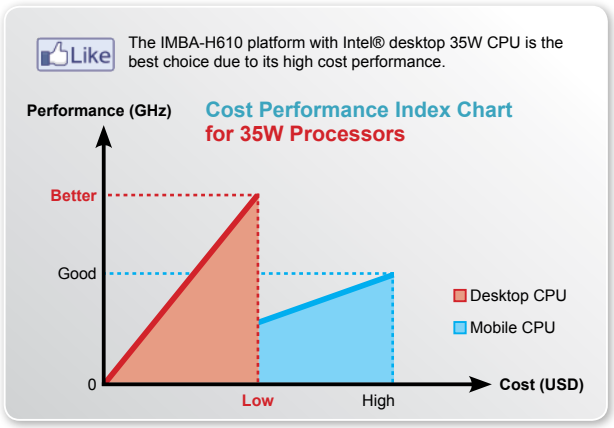
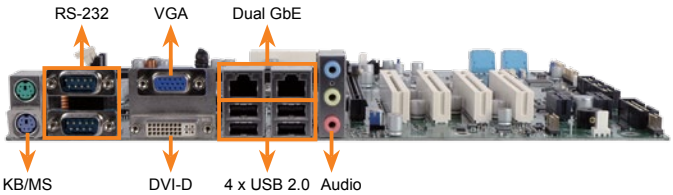
IMBA-H610

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, SATA 3Gb/s, HD Audio and RoHS







Specifications

- CPU
  LGA1155 socket supports Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- System Chipset
  Intel® H61
- Memory
  Two 240-pin 1333/1066MHz 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)
  Supports DX10.1 and OpenGL 3.0
  Full MPEG2, VC1, AVC Decode
- Display Output
  Dual display supported
  1 x VGA (up to 2048 x 1536 @75Hz)
  1 x DVI-D (up to 1920 x 1200 @60Hz)
- Super I/O
  Fintek F81866
- PCIe-PCI Bridge
  ITE IT8892E
- Audio
  Realtek ALC662 HD audio codec (Line-in, Line-out, Mic)
- I/O Interface
  5 x RS-232 — 1 x RS-422/485
  1 x LPT — 4 x SATA 3Gb/s without RAID & AHCI
  1 x PS/2 KB/MS — 10 x USB 2.0 (4 on 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 — 2 x PCIe x1 slot — 4 x PCI slot
- 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
  3.3V@1.27A, 5V@3.87A, 12V@0.54A, Vcore@7.67A, 5VSb@0.15A
  (Intel® Core™ i7-2600K 3.40GHz CPU with two 1333MHz 2GB DDR3 memory)
- Operating Temperature
  -10°C ~ 60°C
- Operating Humidity
  5% ~ 95%, non-condensing
- Dimensions
  244 mm x 305 mm
- Weight
  GW: 1200g/NW: 700g

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 IMBA-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
IMBA-H610-R10	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, 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
19800-000051-RS	RS-232 cable, 230mm
32102-000100-200-RS	SATA power cable
19800-000049-RS	LPT 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-i3-2120T	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-RS-R11	High-performance LGA1155/LGA1156 cooler kit, 95W