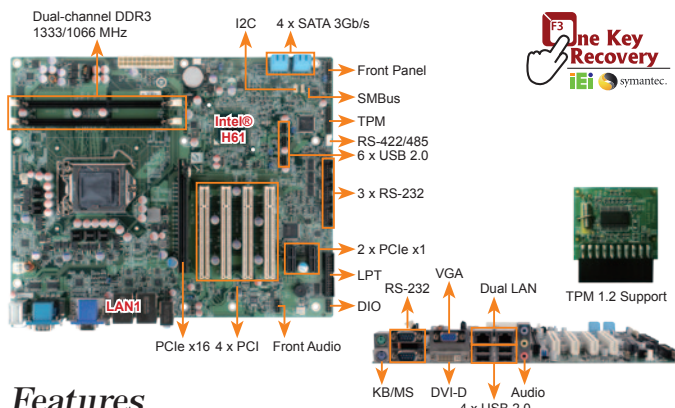


IMBA-H610

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



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

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: 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
- ◆ 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)
- ◆ Front Audio: 1 x 10-pin header
- ◆ TPM: 1 x TPM connector (2x10 pin)
- ◆ SMBus: 1 x 4-pin wafer
- ◆ I/O Interface: 5 x RS-232, 1 x LPT, 1 x PS/2 KB/MS, 4 x SATA 3Gb/s without RAID & AHCI, 10 x USB 2.0 (4 on rear IO, 6 by pin header)
- ◆ Front Panel: 1 x Front panel connector (power LED, HDD LED, speaker, power button, reset button)
- ◆ I2C: 1 x 4-pin wafer
- ◆ Expansions: 1 x PCIe x16 slot, 2 x PCIe x1 slot, 4 x PCI slot
- ◆ Watchdog Time: 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
- ◆ Storage Temperature: -20°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244 mm x 305 mm
- ◆ Weight: GW: 1200g/NW: 700g

Packing List

1 x IMBA-H610 single board computer	
4 x SATA cable (P/N: 32000-062800-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
19800-003100-300-RS	Dual-port USB cable with bracket
32205-003800-300-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-R11	High-performance LGA1155/LGA1156 cooler kit, 95W

www.ipc2u.ru

www.ipc2u.de

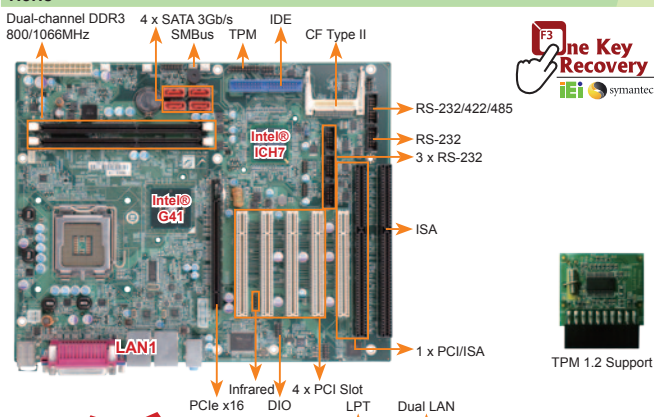
www.sovio.com

Date:01.06.2016

IMBA-H610-2014-V11

IMBA-G412ISA-R20

ATX motherboard supports LGA775 Intel® Core™2 Duo/Quad processor with 1333 MHz FSB, DDR3, Dual PCIe GbE, ISA, COM, SATA 3Gb/s, USB 2.0 and RoHS



Features

1. Support the next generation 45nm LGA775 Intel® Core™2 processor family with higher system performance
2. Intel® GMA X4500 delivers an excellent blend of graphics performance
3. Integrated VGA and PCIe x16 SDVO card interface for dual display
4. Support dual-channel DDR3 800/1066MHz up to 8GB
5. TPM V1.2 hardware security function supported by TPM module
6. Expansion capability supports either five PCI slots plus one ISA slot or four PCI slots plus two ISA slots
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: LGA775 45nm Intel® Core™2 Quad, Core™2 Duo, Pentium® D, Celeron® processors at FSB 800/1066/1333MHz
- ◆ System Chipset: Intel® G41+ICH7
- ◆ Memory: Two 240-pin 4GB (max.) 800/1066MHz dual-channel DDR3 SDRAM DIMM supported (system max. 8GB)
- ◆ BIOS: AMI BIOS
- ◆ Graphics Engine: Intel® GMA X4500
- ◆ Display Interface: VGA supports analog CRT up to 2048x1536 @75MHz
- ◆ Ethernet: LAN1: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support; LAN2: Realtek RTL8111E PCIe GbE controller
- ◆ Super I/O: Fintek F81865
- ◆ ISA Bridge: ITE IT8888
- ◆ Audio: Realtek ALC888 HD Audio codec
- ◆ Infrared Interface: 1 x 5-pin header
- ◆ TPM: 1 x TPM connector (2x10 pin)
- ◆ SMBus: 1 x 4-pin wafer
- ◆ I/O Interface: 5 x RS-232, 1 x LPT, 4 x SATA 3Gb/s, 8 x USB 2.0, 1 x CF Type II, 1 x IDE, 1 x RS-232/422/485 with auto flow control
- ◆ Expansion: 1 x ISA slot, 1 x PCI/ISA slot, 4 x PCI slot, 1 x PCIe x16 slot
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/4-bit output
- ◆ Power Supply: ATX power supply
- ◆ Power Consumption: 12V@2.01A, -12V@0.05A, 3.3V@0.15A, 5V@5.06A (Intel® Core™ Duo CPU E7400@2.8GHz with 1GB DDR3 memory)
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Storage Temperature: -20°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 305mm x 244mm
- ◆ Weight: GW: 1200g/NW: 650g

Packing List

1 x IMBA-G412ISA single board computer	
1 x Dual-port RS-232 cable with bracket (P/N: 19800-000051-RS)	
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	1 x Mini jumper pack
4 x SATA cable (P/N: 32801-000703-400-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
IMBA-G412ISA-R20	ATX motherboard supports LGA775 Intel® Core™2 Duo/Core™2 Quad CPU with FSB 1333MHz, DDR3, dual PCIe GbE, ISA, PCI, PCIe x16, COM, LPT, SATA 3Gb/s, IDE, USB 2.0, audio and RoHS
32102-000100-200-RS	SATA power cable
32225-002000-200-RS	IDE cable
19800-003100-300-RS	Dual-port USB cable with bracket
CF-775A-RS	CPU cooler for 130W
CF-520-RS-R11	CPU cooler for 115W
CF-775B-RS	1U CPU cooler for 90W
SDVO-100DVI-R10	PCIe x16 DVI output SDVO card supports dual display (IEI CPU Board Only)
SDVO-100VGA-R10	PCIe x16 VGA output SDVO card supports dual display (IEI CPU Board Only)
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17