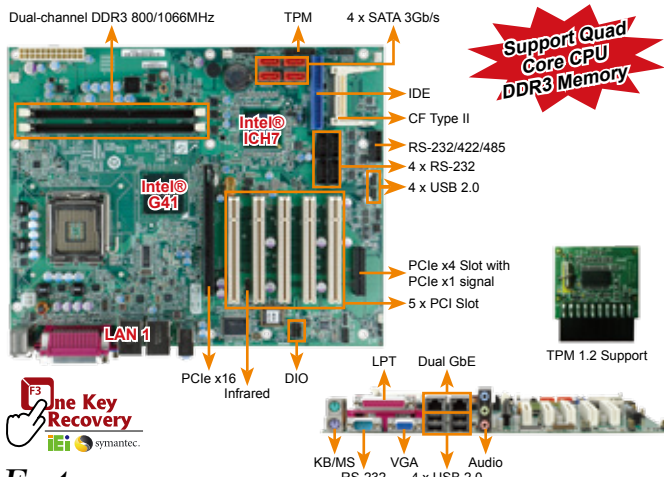


IMBA-G410-R20

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



Support Quad Core CPU, DDR3 Memory



Features

1. Support Intel® Core™2 Quad/Core™2 Duo/Pentium®4/Celeron® processor
2. Dual-channel 1066MHz DDR3 supports up to 8GB
3. Intel® GMA X4500 delivers an excellent blend of graphics performance
4. TPM V1.2 hardware security function supported by TPM module
5. 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
- ◆ Ethernet: Dual Realtek RTL8111E PCIe GbE controllers LAN 1 with ASF 2.0 support
- ◆ Display Interface: Intel® GMA X4500 Supports DirectX 10/OpenGL 1.5 VGA display supports analog CRT up to 2048x1536 @75MHz
- ◆ Super I/O: Fintek F81865
- ◆ I/O Interface: 5 x RS-232, 8 x USB 2.0, 1 x LPT, 1 x IDE, 2 x PS/2 KB/MS, 4 x SATA 3Gb/s, 1 x CF Type II slot, 1 x RS-232/422/485 with auto flow control
- ◆ Audio: Realtek ALC888 HD Audio codec
- ◆ TPM: 2 x 10-pin header
- ◆ Infrared Interface: 1 x 5-pin header
- ◆ Expansion: 1 x PCIe x16 slot (supports PCIe x1/x16 add-on card and SDVO card), 1 x PCIe x4 slot (with x1 signal), 5 x PCI slot
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/4-bit output
- ◆ Fan Connector: 1 x 4-pin CPU fan connector, 3 x 3-pin system fan connector
- ◆ Power Supply: ATX power supply
- ◆ Power Consumption: 12V@4.80A, -12V@0.06A, 5V@5.45A, 3.3V@0.16A (Intel® Q9550 2.83GHz with 2GB 1333MHz DDR3 memory)
- ◆ Temperature Operation: -10°C ~ 60°C
- ◆ Humidity: Operation: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244mm x 305mm
- ◆ Weight: GW:1200g/NW: 650g

Packing List

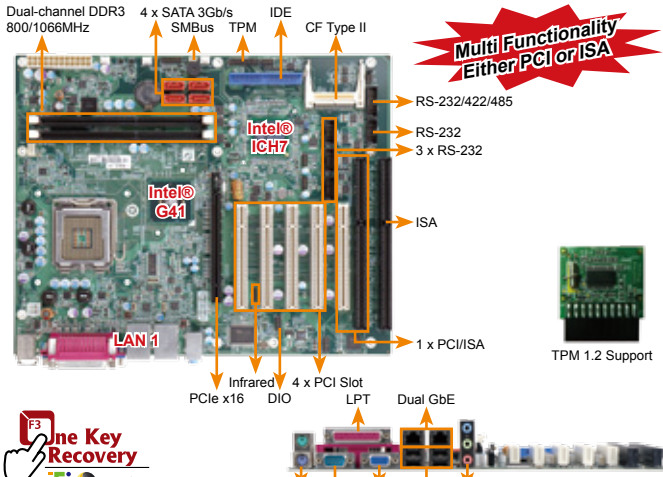
1 x IMBA-G410 single board computer	
2 x Dual RS-232 cable (P/N: 19800-003600-100-RS)	
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32801-000703-200-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
IMBA-G410-R20	ATX motherboard supports Intel® LGA775 Core™2 Duo/Quad processor with 1333 MHz FSB, VGA, PCIe x16, PCIe x4 (x1 signal), PCI, dual PCIe GbE, USB 2.0, COM, CF, SATA 3Gb/s and audio, RoHS
32200-000052-RS	IDE cable
32102-000100-200-RS	SATA power cable
19800-000100-200-RS	Quad ports USB cable with bracket
19800-003100-200-RS	Dual ports USB cable with bracket
19800-000058-RS	RS-232/422/485 cable
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

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



Multi Functionality Either PCI or ISA



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: Dual Realtek RTL8111E PCIe GbE controller, LAN 1 with ASF 2.0 support
- ◆ Super I/O: Fintek F81865
- ◆ ISA Bridge: ITE IT8888
- ◆ Audio: Realtek ALC888 HD Audio codec
- ◆ Infrared Interface: 1 x 5-pin header
- ◆ TPM: 2 x 10-pin header
- ◆ 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™2 Duo CPU E7400@2.8GHz with 1GB DDR3 memory)
- ◆ Operating Temperature: -10°C ~ 60°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: 32801-000703-200-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
32200-000052-RS	IDE cable
19800-003100-200-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