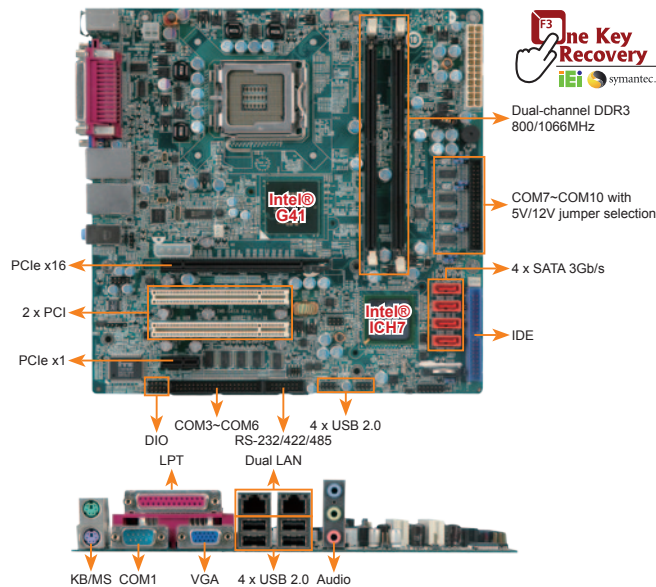


IMB-G41A

microATX motherboard supports 45nm LGA775 Intel® Core™2 Quad CPU with a 1333/1066/800MHz FSB, PCIe x16, PCIe x1, two PCI, 10 COM, dual PCIe GbE, SATA 3Gb/s, audio and RoHS



Features

1. Support for the next-generation 45nm Intel® Core™2 processor family with faster system performance
2. Intel® GMA X4500 delivers an excellent blend of graphics performance
3. Integrated VGA and PCIe x16 SDVO add-on card for dual display
4. Diverse I/O interfaces, including 10 COM ports, four SATA 3Gb/s ports
5. Support dual-channel DDR3 SDRAM DIMM up to 8GB (max.)
6. 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® processor with a 800/1066/1333MHz FSB
- ◆ 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 RTL8111CP PCIe GbE controller
- ◆ Display Interface: Intel® GMA X4500 Supports DirectX 10/OpenGL 1.5 One VGA supports analog CRT up to 2048x1536@75MHz
- ◆ Super I/O: ITE IT8783F
- ◆ Audio: Realtek ALC888 HD Audio codec
- ◆ I/O Interface:
 - 1 x IDE
 - 8 x USB 2.0
 - 1 x LPT
 - 4 x SATA 3Gb/s
 - 2 x PS/2 for KB/MS
 - 1 x RS-232/422/485
 - 9 x RS-232 (COM7~COM10 with 5V/12V jumper selection)
- ◆ Infrared Interface: 1 x Infrared connector by 5-pin header
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/4-bit output
- ◆ Expansions:
 - 1 x PCIe x16 slot
 - 1 x PCIe x1 slot
 - 2 x PCI slot
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Fan Connector:
 - 1 x 4-pin CPU fan connector
 - 1 x 3-pin northbridge fan connector
 - 1 x 3-pin system fan connector
- ◆ Power Supply: ATX power
- ◆ Power Consumption: 5V@7.42A, 3.3V@0.15A, 12V@0.27A, Vcore@3.03A 3.16GHz (Intel® Core™2 Duo E8500 and 4GB 1066MHz DDR3)
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Storage Temperature: -20°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244mm x 244mm
- ◆ Weight: GW: 1200g/NW: 700g

Packing List

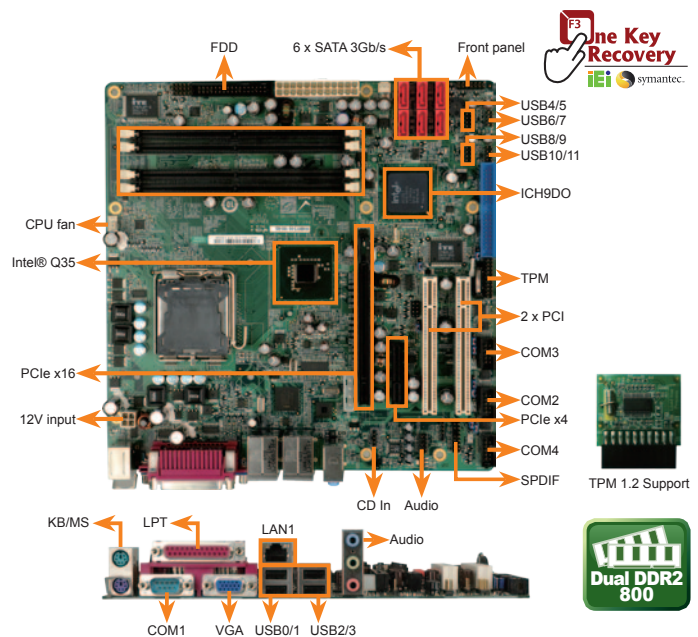
1 x IMB-G41A single board computer	
2 x Quad-port RS-232 cable (P/N: 32205-001203-200-RS)	
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	1 x Mini jumper pack
4 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
IMB-G41A-R10	microATX motherboard supports 45nm LGA775 Intel® Core™2 Quad CPU with a 1333/1066/800MHz FSB, PCIe x16, PCIe x1, two PCI, ten COM, dual PCIe GbE, SATA 3Gb/s and audio, RoHS
19800-003100-300-RS	Dual-port USB cable with bracket
32102-000100-200-RS	SATA power cable
32200-000063-RS	RS-232/422/485 cable
32225-002000-200-RS	ATA66 IDE flat 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-100VGA-R10	PCIe x16 VGA Output SDVO card supports dual display (IEI CPU board only)
SDVO-100DVI-R10	PCIe x16 DVI Output SDVO card supports dual display (IEI CPU board only)

IMB-Q354-R12

microATX motherboard supports 45nm LGA775 Intel® Core™2 Duo CPU with a 800/1066/1333 MHz FSB, Intel® Q35 & ICH9DO platform, Intel® PCIe GbE, SATA 3Gb/s with RAID functions



Features

1. microATX and RoHS compliant
2. Supports LGA775 Intel® Core™2 Quad, Core™2 Duo, 45 nm processor with a 1333/1066/800 MHz FSB
3. Intel® Q35 & ICH9DO platform
4. Six SATA 3Gb/s with Intel® Matrix Storage Technology supported
5. TPM1.2 IT security solution supported
6. 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, Celeron® CPU with a 1333/1066/800 MHz FSB
- ◆ System Chipset: Intel® Q35 + ICH9DO
- ◆ BIOS: AMI BIOS
- ◆ System Memory: 4 x 240-pin 2 GB (max.) 800/667 MHz dual-channel DDR2 SDRAM DIMM (system max. 8 GB)
- ◆ Ethernet: LAN1: Intel® 82573L (MAC + PHY)
- ◆ I/O Interface:
 - 4 x RS-232
 - 12 x USB 2.0
 - 1 x LPT
 - 1 x FDD
 - 2 x PS/2 for KB/MS (external)
 - 6 x SATA 3Gb/s with RAID 0, 1, 5, 10 support
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/4-bit output
- ◆ Infrared Interface: One Infrared Interface by pin header
- ◆ Audio: Realtek ALC883 HD Audio codec
- ◆ Graphics: VGA integrated in Intel® Q35
- ◆ Super IO: ITE IT8712F
- ◆ Expansions:
 - 1 x PCIe x16
 - 1 x PCIe x4
 - 2 x PCI
- ◆ TPM: 1 x TPM connector (2x10 pin) (Trusted Platform Module)
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Power Supply: ATX
- ◆ Power Consumption: 3.3V@2.41A, 5V@5.71A, 5Vsb@0.13A, 12V@3.69A (2Dmark 2001)
- ◆ Operating Temperature: 0°C ~ 60°C (32°F~140°F)
- ◆ Storage Temperature: -10°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244 mm x 244 mm
- ◆ Weight: GW: 1100 g

Packing List

1 x IMB-Q354 single board computer	
3 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	1 x One Key Recovery CD
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	1 x Mini jumper pack
1 x USB cable (P/N: 19800-003100-300-RS)	1 x Utility CD
6 x SATA cable (P/N: 32000-062800-RS)	1 x QIG

Ordering Information

Part No.	Description
IMB-Q354-R12	microATX motherboard supports 45 nm LGA775 Intel® Core™2 Duo CPU with a 800/1066/1333 MHz FSB, Intel® Q35 & ICH9DO platform, Intel® PCIe GbE, six SATA 3Gb/s with RAID functions
CF-520-RS-R11	High performance CPU cooler, (115mm x 115mm x 67mm, 115W)
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17
SDVO-100VGA-R10	PCIe x16 VGA output SDVO card supports dual display (IEI CPU board only)
SDVO-100DVI-R10	PCIe x16 DVI output SDVO card supports dual display (IEI CPU board only)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

IEI:

[IMB-Q354-R12](#) [IMB-G41A-R10](#)