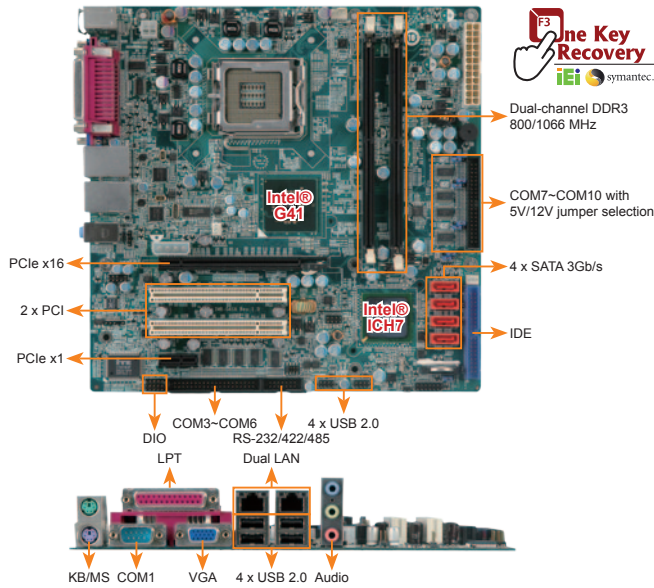


# IMB-G41A

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



## Features

- Support for the next-generation 45nm Intel® Core™2 processor family with faster system performance
- Intel® GMA X4500 delivers an excellent blend of graphics performance
- Integrated VGA and PCIe x16 SDVO add-on card for dual display
- Diverse I/O interfaces, including 10 COM ports, four SATA 3Gb/s ports
- Support dual-channel DDR3 SDRAM DIMM up to 8 GB (max.)
- 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 800/1066/1333 MHz FSB
- ◆ System Chipset: Intel® G41+ICH7
- ◆ Memory: Two 240-pin 4 GB (max.) 800/1066 MHz dual-channel DDR3 SDRAM DIMM supported (System max. 8 GB)
- ◆ BIOS: AMI BIOS
- ◆ Ethernet: Dual Realtek RTL8111PC PCIe GbE controller
- ◆ Display Interface: Intel® GMA X4500 Supports DirectX 10/OpenGL 1.5 One VGA supports analog CRT up to 2048x1536@75 MHz
- ◆ Audio: Realtek ALC888 HD Audio codec
- ◆ Infrared Interface: 1 x Infrared (1x5 pin)
- ◆ Digital I/O: 8-bit digital I/O (2x5 pin)
- ◆ External I/O Interface: 1 x KB/MS, 1 x RS-232, 1 x LPT, 4 x USB 2.0
- ◆ Internal I/O Interface: 1 x IDE, 4 x SATA 3Gb/s, 4 x USB 2.0 (2x4 pin, P=2.54), 8 x RS-232 (2x20 pin, P=2.54, COM7~COM10 with 5V/12V jumper selection)
- ◆ Expansions: 1 x PCIe x16 slot, 1 x PCIe x1 slot, 2 x PCI slot, 2 x PCI slot
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Fan Connector: 1 x CPU smart fan (1x4 pin), 1 x NB fan (1x3 pin), 1 x System fan (1x3 pin)
- ◆ 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 4 GB 1066 MHz 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

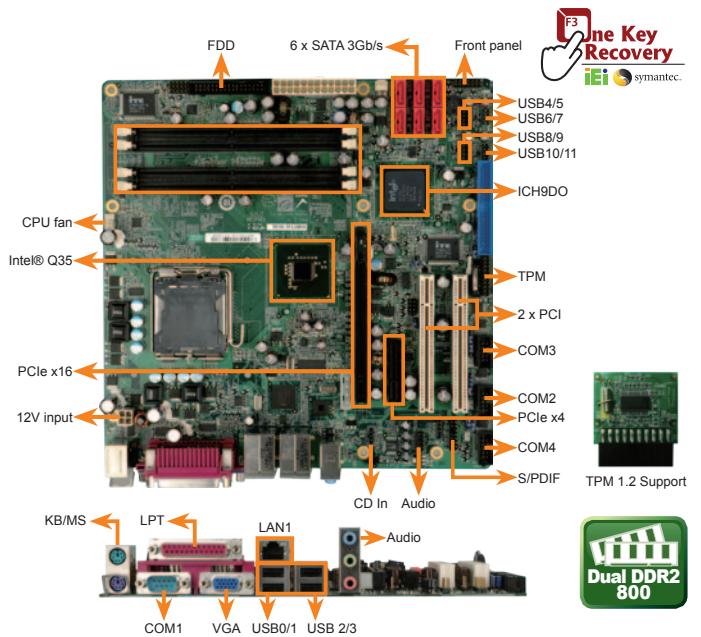
|                                    |                         |
|------------------------------------|-------------------------|
| 1 x IMB-G41A single board computer | 1 x Mini jumper pack    |
| 1 x I/O shielding                  | 1 x One Key Recovery CD |
| 2 x Quad-port RS-232 cable         | 1 x QIG                 |
| 4 x SATA cable                     | 1 x Utility CD          |

## Ordering Information

| Part No.            | Description   |
|---------------------|---|
| IMB-G41A-R10        | microATX motherboard supports 45nm LGA775 Intel® Core™2 Quad CPU with a 1333/1066/800 MHz 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-520-RS-R11       | CPU cooler for 115W   |
| CF-775A-RS          | CPU cooler for 130W   |
| CF-775B-RS-R11      | 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)  |

# 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

- microATX and RoHS compliant
- Supports LGA775 Intel® Core™2 Duo, Core™2 Duo, 45 nm processor with a 1333/1066/800 MHz FSB
- Intel® Q35 & ICH9DO platform
- Six SATA 3Gb/s with Intel® Matrix Storage Technology supported
- TPM1.2 IT security solution supported
- 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)
- ◆ External I/O Interface: 1 x KB/MS, 1 x RS-232, 1 x LPT, 4 x USB 2.0
- ◆ Internal I/O Interface: 1 x FDD, 3 x RS-232 (2x5 pin, P=2.54), 6 x SATA 3Gb/s (RAID 0/1/5/10 support), 8 x USB 2.0 (2x4 pin, P=2.54)
- ◆ Digital I/O: 8-bit digital I/O (2x5 pin)
- ◆ Infrared Interface: 1 x Infrared (1x5 pin)
- ◆ Audio: Realtek ALC883 HD Audio codec
- ◆ Graphics: VGA integrated in Intel® Q35
- ◆ Expansions: 1 x PCIe x16, 1 x PCIe x4, 2 x PCI
- ◆ TPM: 1 x TPM connector (2x10 pin)
- ◆ 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) Intel® Core™2 Duo E6850 3.0GHz, 8 GB DDR2 800 MHz, 3DMark 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 | 6 x SATA cable          |
| 1 x Dual RS-232 cable              | 1 x Mini jumper pack    |
| 1 x I/O shielding                  | 1 x One Key Recovery CD |
| 1 x USB cable                      | 1 x QIG                 |
| 3 x SATA power cable               | 1 x Utility CD          |

## 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)  |
| 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   |