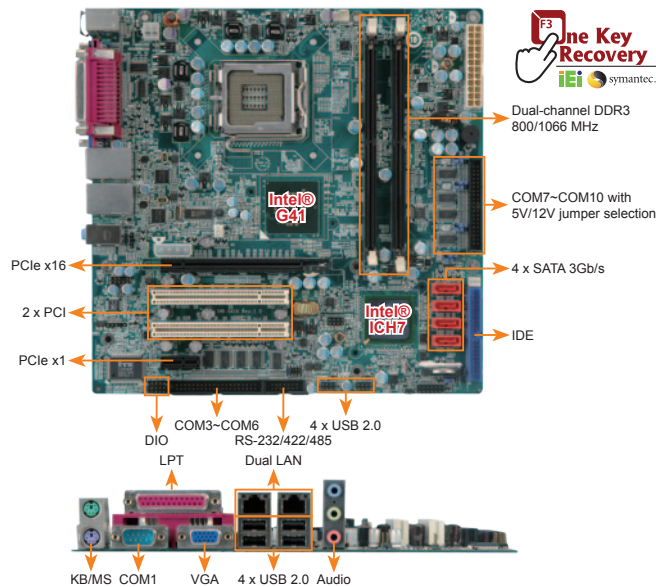


IMB-G41A

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 RTL8111CP 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
- ◆ 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

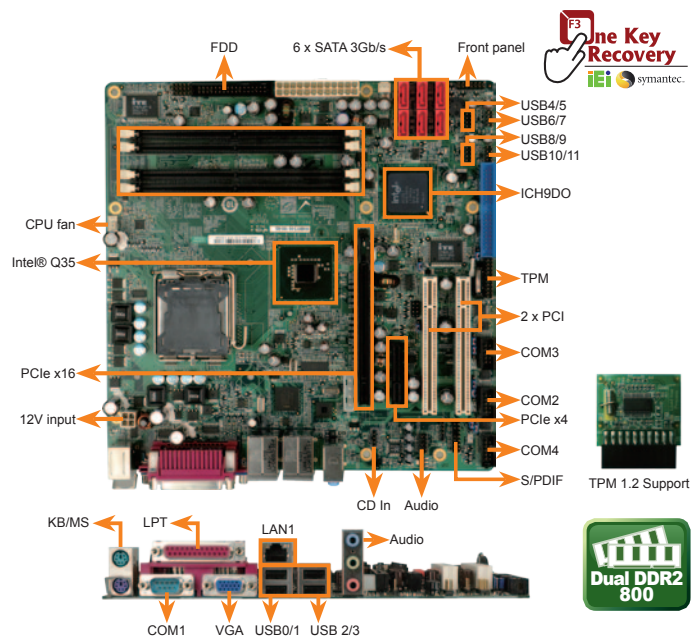
1 x IMB-G41A single board computer	1 x Mini jumper pack
1 x I/O shielding	1 x One Key Recovery CD
2 x Quad-port RS-232 cable	1 x QIG
4 x SATA cable	1 x Utility CD

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 Quad, 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