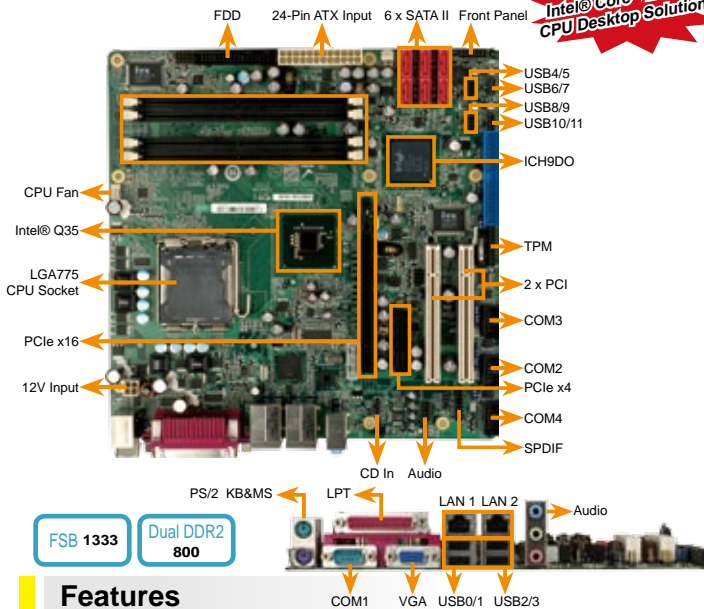




# IMB-Q354

Micro ATX Motherboard Supports 45nm LGA775 Intel® Core™2 Duo CPU with a 800/1066/1333 MHz FSB, Intel® Q35 & ICH9DO platform, Dual Intel PCIe GbE, SATA II with RAID Functions.



FSB 1333 Dual DDR2 800

## Features

1. Micro ATX and RoHS compliant
2. Supports Intel® LGA775 Intel® Core™2 Quad, Core™2 Duo, 45 nm processor with 1333/1066/800 MHz FSB
3. Intel® Q35 & ICH9DO platform
4. Six SATA II with Intel® Matrix Storage Technology supported
5. Intel® PCIe GbE with Intel® AMT 3.0 supported
6. TPM1.2 IT security solution supported
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, 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: Dual GbE  
LAN1: Intel® 82573L (MAC + PHY)  
LAN2: Intel® 82566DM (PHY) with Intel® AMT support
- ◆ IO 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 II with RAID 0,1,5,10 support
- ◆ Digital I/O: 8-bit Digital I/O, 4-bit input / 4-bit output
- ◆ Infrared Interface: 1 x Infrared Interface by pin header
- ◆ Expansions: 1 x PCIe x16, 1 x PCIe x4, 2 x PCI
- ◆ Audio: Realtek ALC883 HD audio codec
- ◆ Graphical: VGA integrated in Intel® Q35
- ◆ TPM1.2: 1 x 20-pin header on-board for TPM (Trusted Platform Module)
- ◆ Watchdog Timer: Software Programmable supports 1-255sec. system reset
- ◆ Power Supply: ATX
- ◆ Super IO: ITE8712F
- ◆ Power Consumption: 3.3V@2.41A, 5V@5.71A, 5Vsb@0.13A, 12V@3.69A(2DMark 2001), Intel® Core™2 Duo E6850 3.0GHz, 8GB DDR2 800MHz, 3DMark 2001
- ◆ Temperature: Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity: Operating: 5% ~ 95% non-condensing
- ◆ Dimensions: 244 mm x 244 mm
- ◆ Weight: GW:1.1 kg

## Packing List

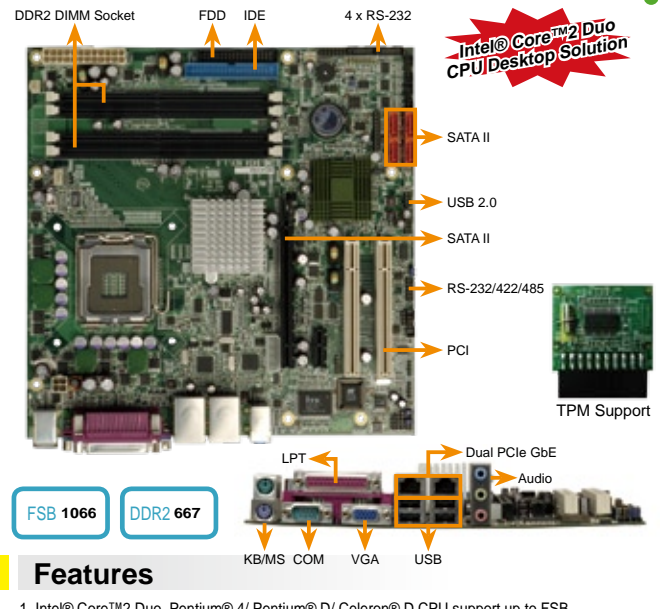
1 x IMB-Q354 single board computer	
3 x SATA power cable (P/N: 32102-000100-100/200-RS)	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	6 x SATA cable (P/N: 32000-062800-RS)
1 x USB cable (P/N: CB-USB02-RS)	1 x mini jumper pack
1 x Utility CD	1 x QIG

## Ordering Information

Part No.	Description
IMB-Q354-R10	Micro ATX motherboard supports 45 nm LGA775 Intel® Core™2 Duo CPU with a 800/1066/1333 MHz FSB, Intel® Q35 & ICH9DO platform, dual Intel® PCIe GbE, six SATA II with RAID functions.
CF-520-RS-R11	High performance CPU cooler, (115mm x 115mm x 67mm, 115W)
TPM-IN01-R10	Infinion 20-pin Trusted Platform Module with S/W management tool
TPM-WI01-R10	Winbond 20-pin Trusted Platform Module with S/W management tool
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-9454G-R20

micro-ATX Motherboard with Intel® Core™2 Duo, Pentium® 4/ Pentium® D/ Celeron® D FSB 533/800/1066 MHz CPU, VGA, Dual PCIe GbE, SATA II, USB 2.0, 6 COM, & Audio



FSB 1066 DDR2 667

## Features

1. Intel® Core™2 Duo, Pentium® 4/ Pentium® D/ Celeron® D CPU support up to FSB 533/800/1066 MHz
2. VGA integrated in Intel® 945G
3. Dual-channel DDR2 533/667MHz support up to 4GB
4. FDD, LPT, 4 x SATA II, 8 x USB 2.0 and 6 x COM
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- ◆ CPU: LGA 775 Intel® Core™2 Duo, Pentium® 4/D/ Celeron® D with 533/800/1066 MHz FSB
- ◆ System Chipset: Intel® 945G + ICH7
- ◆ BIOS: AMI BIOS
- ◆ System Memory: 4 x 240-pin Dual-channel DDR2 533/667MHz up to 4GB
- ◆ Ethernet: Dual PCIe Broadcom BCM5787M GbE chipset with ASF2.0 support.
- ◆ I/O Interface: 8 x USB 2.0, 4 x SATA II, 1 x LPT, 1 x FDD, 5 x RS-232, 1 x RS-232/422/485, 2 x PS/2 for KB/MS, 1 x IDE, 1 x 20-pin LPC for TPM
- ◆ Expansions: 1 x PCIe x1, 2 x PCI, 1 x PCIe x16 (Support PCIe x1/16 PCIe add on cards)
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Infrared Interface: 1x Infrared Interface by pin header
- ◆ Super I/O: ITE IT8712F
- ◆ Audio: Realtek ALC655 with AC'97 codec
- ◆ Display: VGA integrated in Intel® 945G
- ◆ Watchdog Timer: Software programmable 1-255 sec. by super I/O
- ◆ Power Supply: ATX power supply
- ◆ Power Consumption: 5V@2.09A, 12V@8.9A, 3.3V@3.6A, 5Vsb@0.67A (Pentium® 4 3.2GHz, DDR2 533 512MB x 4)
- ◆ Temperature: Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity: Operating: 5% ~ 95% non-condensing
- ◆ Dimensions: 244 mm x 244 mm
- ◆ Weight: GW: 1200 g; NW: 680 g

## Packing List

1 x IMB-9454G Single board computer	
2 x Dual RS-232 Cable (P/N: 19800-000112-RS)	
1 x SATA Power Cable (P/N: 32102-000100-100/200-RS)	
1 x I/O Shielding (P/N: 45014-0017C0-00-RS)	1 x IDE Cable (P/N: 32200-000052-RS)
2 x SATA Cable (P/N: 32000-062800-RS)	1 x Mini Jumper Pack
1 x Utility CD	1 x QIG

## Ordering Information

Part No.	Description
IMB-9454G-R20	micro-ATX Motherboard, Core™2 Duo CPU 800/1066/1333 MHz FSB with VGA, Dual PCIe GbE, SATA II, COM and Audio
32200-000017-RS	FDD Cable
CB-USB02-RS	Dual USB Cable
19800-000100-200-RS	Four USB Cable
19800-000082-RS	RS-232/422/485 Cable
TPM-WI01-R10	20-pin WINBOND TPM Module, S/W Management
TPM-IN01-R10	20-pin INFINEON TPM Module, S/W Management
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)
CF-775A-RS	CPU cooler
CF-520-RS-R11	