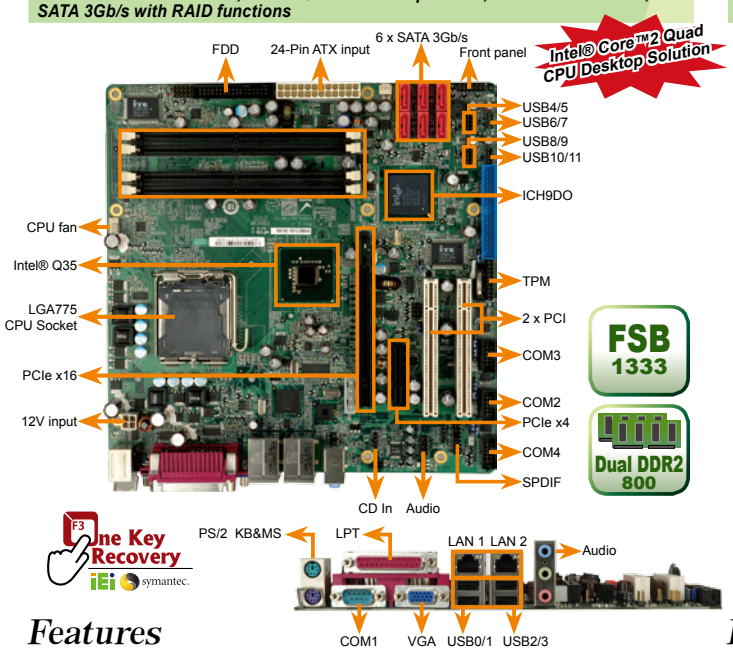
IMB-Q354

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 3Gb/s with RAID functions



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 3Gb/s 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
- 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
  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
- Graphic
  VGA intergated 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
  ITE IT8712F
- 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: 0ºC ~ 60ºC (32ºF ~ 140ºF)
- Humidity
  Operating: 5% ~95% non-condensing
- Dimensions: 244 mm x 244 mm
- Weight: GW: 1100 g

Packing List

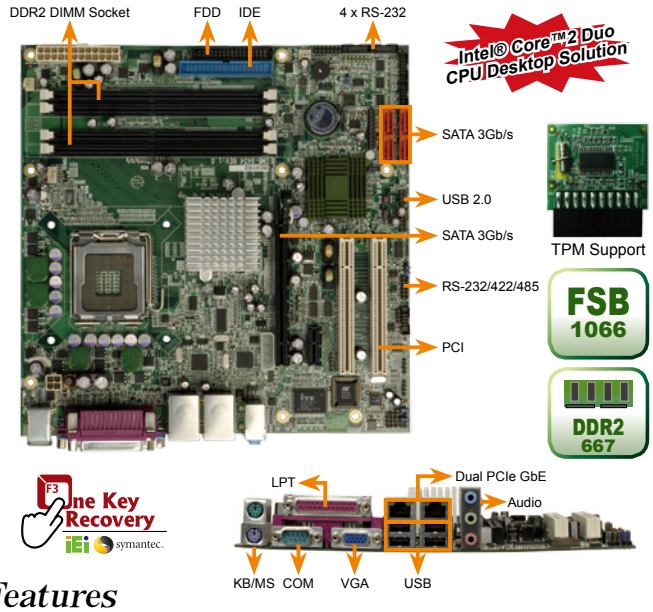
1 x IMB-Q354 single board computer	
3 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	6 x SATA cable (P/N: 32000-062800-RS)
1 x USB cable (P/N: CB-USB02-RS)	1 x mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IMB-Q354-R10	Mirco 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 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)

IMB-9454G-R40

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 3Gb/s, USB 2.0, six COM, & audio



Features

1. Intel® Core™2 Duo, Pentium® 4/ Pentium® D/ Celeron® D CPU support up to FSB 533/800/1066MHz
2. VGA integrated in Intel® 945G
3. Dual-channel DDR2 533/667MHz supports up to 4GB
4. FDD, LPT, four SATA 3Gb/s, eight USB 2.0 and six 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 Realtek RTL8111E GbE chipset with ASF2.0 support.
- I/O Interface
  8 x USB 2.0 4 x SATA 3Gb/s
  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 programable 1-255 sec. by super I/O
- Power Supply
  ATX power supply
- Power Consumption
  5V@2.03A, 12V@0.39A, 3.3V@6.13A, 5Vsb@0.02A, Vcore@2.37A
  (Intel® Core 2 Duo E7500 2.93 GHZ, DDRII 800 MHz 1GB*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: 32102-000100-200-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-R40	Micro ATX motherboard, Core™2 Duo CPU 800/1066/1333 MHz FSB with VGA, dual PCIe GbE, SATA 3Gb/s, 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-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)
CF-775A-RS CF-520-RS-R11	CPU cooler