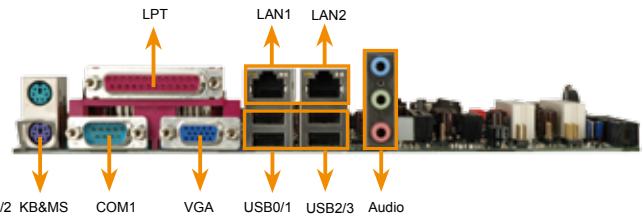
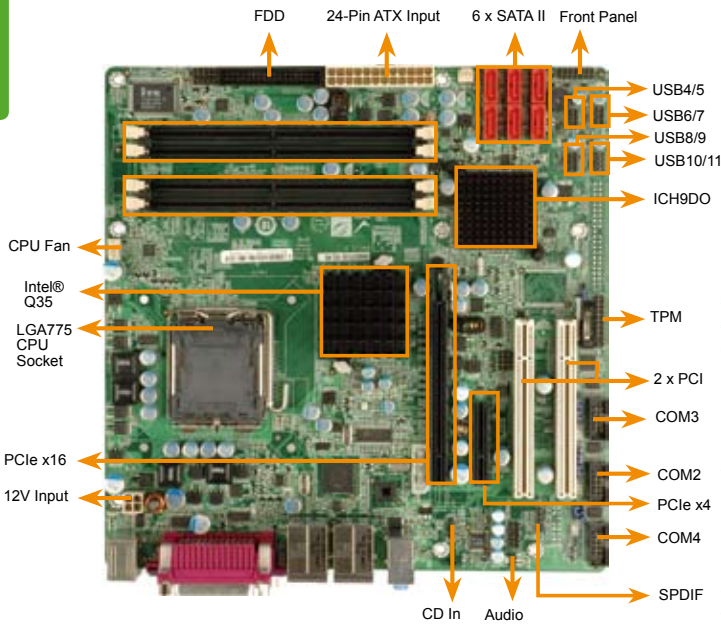




IMB-Q354

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.



Generation	Core™ Duo / Core™2 Duo / Core™2 Quad	
Process	45nm	
CPU	Quad Core	 <ul style="list-style-type: none"> • Quad Core • Up to 12MB L2 • 95W/130W TDP • FSB1333/1066/800MHz
	Dual Core	 <ul style="list-style-type: none"> • Dual Core • Up to 6MB L2 • 65W TDP • FSB1333/1066/800MHz
FSB	1333 / 1066 / 800MHz	

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 Label with 4MB SPI EEPROM
- ◆ 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 iAMT 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
- ◆ Graphic
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

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 iAMT 3.0 supported
6. TPM1.2 IT security solution supported

Packing List

1 x IMB-Q354 single board computer
1 x mini jumper pack
6 x SATA cable (P/N: 32000-062800-RS)
3 x SATA power cable (P/N: 32100-088600-RS)
1 x Dual RS-232 cable (P/N:19800-000051-RS)
1 x USB cable (P/N: CB-USB02-RS)
1 x Utility CD
1 x I/O shielding (P/N:45002-450903-00-RS)
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	High performance CPU cooler, (115mm x 115mm x 67mm, 115W)
TPM-IN01-R10	Infineon 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)

1

Industrial Computing Solutions

2

Embedded Computing Solutions

3

RISC-Based Embedded Solutions

4

Industrial Data Collector/Server Solutions

5

Video Capture Solutions

6

I/O Communication Solutions

7

Panel Solutions

8

Power Supply/Network Communication/Peripherals