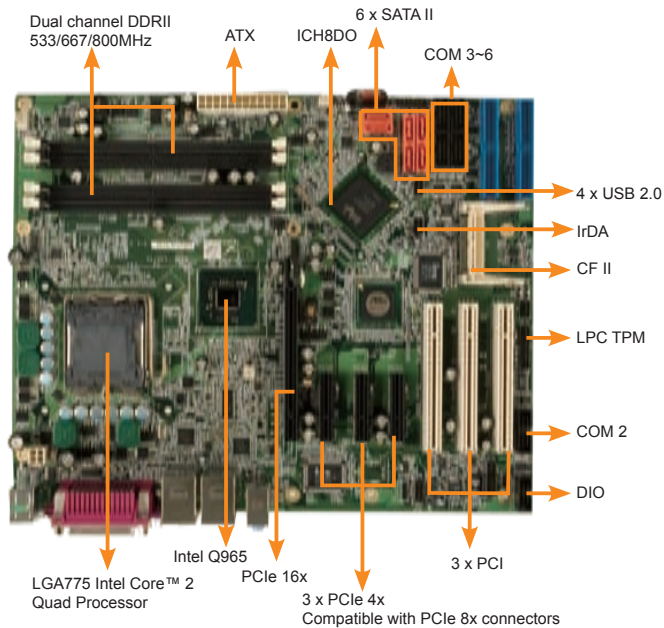
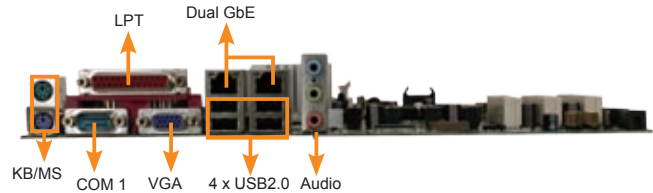
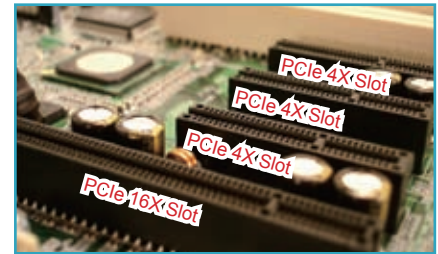


# IMBA-X9654

ATX Form Factor with Intel Core 2 Quad CPU FSB 533/800/1066MHz, VGA, Dual Channel DDRII, LPT, 6 x SATA II, 8 x USB 2.0 and 6 x COM



TPM Support



Intel® Matrix Storage Manager

## Specifications

- ◆ CPU  
LGA 775 Intel® Core 2 Quad/Duo, Pentium® D/4 , Celeron® D with 533/800/1066MHz FSB
- ◆ System Chipset  
Intel® Q965 + ICH8DO
- ◆ BIOS  
AMI Flash BIOS
- ◆ System Memory  
4 x 240-PIN Dual channel DDRII 533/667/800 MHz up to 8GB
- ◆ Ethernet  
Dual Broadcom BCM5787M PCIe GbE chipsets with ASF 2.0 support
- ◆ I/O Interface  
5 x RS-232, 1 x RS-232/422/485  
1 x 20-pin LPC for TPM modules support  
1 x LPT  
8 x USB 2.0  
6 x SATA II with RAID 0,1,5 and 10  
2 x PS/2 for KB/MS
- ◆ Expansions  
1 x PCIe x16  
3 x PCIe x4 by PLX 8518  
3 x PCI
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ IrDA  
1 x IrDA by pin header
- ◆ Super I/O  
IT8712F
- ◆ Display Interface  
VGA Integrated in Intel Q965
- ◆ Audio  
Realtek ALC883 HD Audio
- ◆ SSD  
CF type II
- ◆ Watchdog Timer  
Software programmable supports 1 ~255 sec. System reset
- ◆ Power Supply  
ATX Power
- ◆ Power consumption  
5V@4.62A, 12V@9.71A, 3.3V@ 5.74A  
(Pentium® 4 3.73GHz/1066 MHz CPU with 1GB DDR2 667MHz)
- ◆ Temperature  
operation: 0 ~ 60°C ( 32 ~ 140°F)
- ◆ Humidity  
operation: 5% ~95 non-condensing
- ◆ Dimensions  
305 mm x 244 mm
- ◆ Weight GW: 1350g / NW: 750g

## Features

1. Intel Core 2 Quad / Duo, Pentium 4/D, Celeron D processor in the LGA 775 package
2. Integrated Intel GMA 3000 graphics engine that offers adequate display quality via VGA interface
3. Dual channel DDRII 533/667/800 MHz SDRAM support up to 8GB
4. 6 x SATA II with Intel Matrix Storage Manager support
5. PLX PCIe switch for 3 x PCIe x4 add on Card
6. TPM V1.2 hardware security function supported

## Packing List

1 x IMBA-X9654 Single Board Computer
2 x Dual RS-232 Cable (P/N: 32200-004101-RS)
1 x RS-232 Cable (P/N: 32200-029400-RS)
6 x SATA Cable (P/N: 32000-0628000-RS)
3 x SATA Power Cable (P/N: 32100-088600-RS)
1 x I/O Shielding
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG

## Ordering Information

Part No.	Description
IMBA-X9654-R10	ATX Motherboard with Intel® LGA 775, Core 2 Quad/Duo, Pentium D/4, Celeron D processor FSB 533/800/1066MHz, PCIe x16 , PCIe GbE, SATA II and Audio
CB-USB02-RS	Dual USB Cable
CB-USB14-RS	Four USB Cable
32200-000063-RS	RS-232/422/485 cable
CF-775A-RS / CF-520-RS	CPU Cooler
TPM-SI01-R10	20-pin Sinosun TPM Module, S/W Management
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)