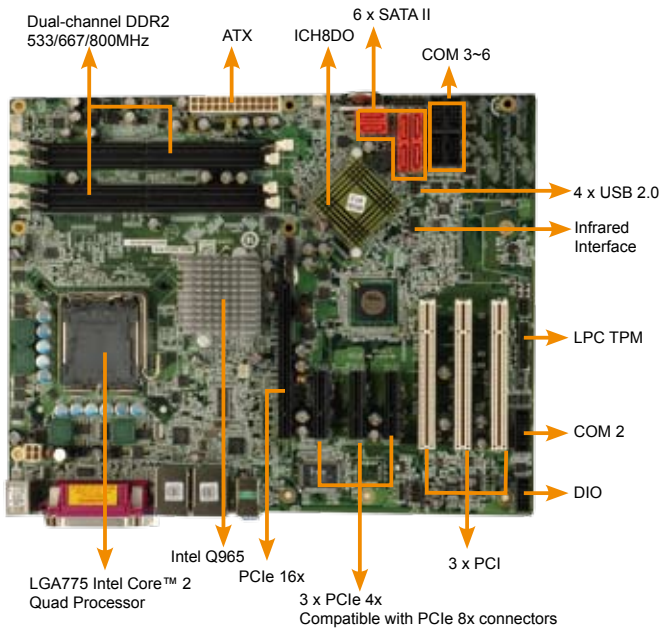
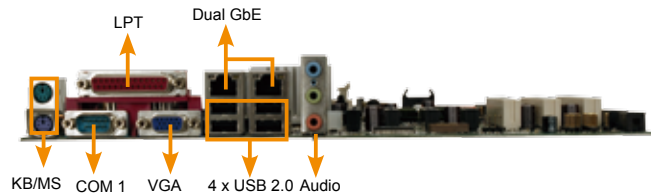
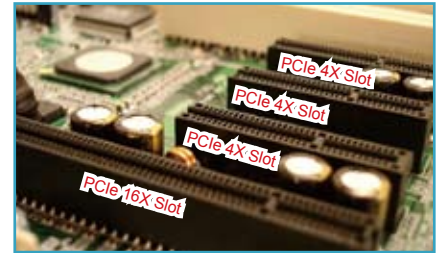


IMBA-X9654

ATX Form Factor with Intel® Core™2 Quad CPU FSB 533/800/1066MHz, VGA, Dual-channel DDR2, LPT, 6 x SATA II, 8 x USB 2.0 and 6 x COM



TPM Support



Intel® Matrix Storage Manager



Dual DDR2 800

FSB1066

Specifications

- ◆ CPU
LGA 775 Intel® Core™2 Quad/Duo, Pentium® D/4, and Celeron® D with 533/800/1066MHz FSB
- ◆ System Chipsets
Intel® Q965 + ICH8DO
- ◆ BIOS
AMI Flash BIOS
- ◆ System Memory
4 x 240-PIN Dual-channel DDR2 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
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 PEX8518
3 x PCI
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Infrared Interface
1 x Infrared Interface by pin header
- ◆ Super I/O
IT8712F
- ◆ Display Interface
VGA Integrated in Intel Q965
- ◆ Audio
Realtek ALC883 HD Audio
- ◆ SSD
N/A
- ◆ 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
Operating: 0 ~ 60°C (32 ~ 140°F)
- ◆ Humidity
Operating: 5% ~95 non-condensing
- ◆ Dimensions
305 mm x 244 mm
- ◆ Weight
GW: 1350 g / NW: 750 g

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 DDR2 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 (P/N: 45002-450903-00-RS)
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-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)

1

Application
Server
Platform

2

Single
Board
Computer

3

IBX Series
POS PC

4

AFOLUX
POS
Panel PC

5

Video
Capture
Card

6

KAMIO
RISC

7

IOVU
Open HMI

8

VITO
Universal
Controller

9

DINO
BLADE

10

LCD
Product
Series

11

Embedded
System

12

Industrial
Computer
Chassis

13

Power
Supply

14

Peripherals