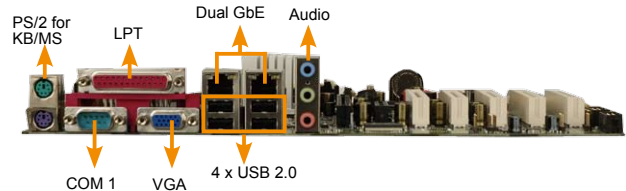
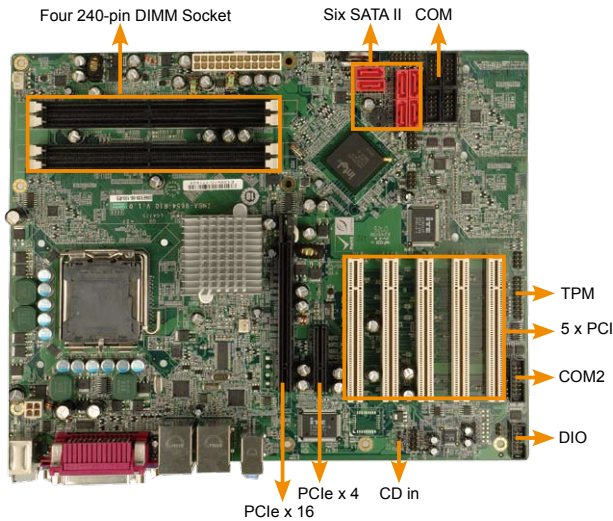


# IMBA-9654

ATX form factor mother board supports Intel® LGA775 Core™2 Duo, Core™2 Quad, Pentium® D, Processor at FSB1066/800/533 FSB, dual channel DDR2, dual GbE, six SATA II, six COM ports, USB, audio, and 5 PCI slots.



Gigabit Ethernet

Intel® Matrix Storage Manager



Dual DDR2 800

FSB 1066

## Specifications

- ◆ CPU  
LGA 775 Intel® Core™2 Duo/Quad, Pentium® D/4, and Celeron® D with 533/800/1066MHz FSB
- ◆ FSB  
1066/800/533 MHz
- ◆ System Chipset  
Intel® Q965 + ICH8-DO
- ◆ BIOS  
AMI Flash BIOS
- ◆ System Memory  
Four 240-pin 800/667/533 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 8.0 GB)
- ◆ Ethernet  
Dual Broadcom PCIe BCM5787M GbE controller
- ◆ I/O Interface
  - 5 x RS-232
  - 1 x RS-232/422/485
  - 8 x USB 2.0 (4 on the edge, 4 on board by pin header)
  - 6 x SATA II with RAID 0, 1, 10, 5, JBOD support
  - 1 x LPT
  - 1 x SPDIF
  - 2 x PS/2 for KB/MS
  - 1 x 20-pin LPC for TPM
- ◆ Expansion
  - One PCIe x16 slot
  - One PCIe x4 slot
  - Five PCI slots (33 MHz/32 bit)
- ◆ Digital I/O  
8-bit digital I/O, 4 input/ 4 output
- ◆ Infrared Interface  
1x5-pin pin header
- ◆ Display Interface  
Analog CRT output
- ◆ Audio  
Realtek ALC883 HD audio codec
- ◆ 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 3.73 GHz/1066 MHz CPU with 1 GB DDR2 667 MHz)
- ◆ Temperature  
Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity  
Operation: 5% ~95% non-condensing
- ◆ Dimensions  
305 mm x 244 mm
- ◆ Weight  
GW:1.5 kg

## Features

1. Intel® LGA775 Core™2 Duo / Quad Processor at FSB1066 / 800 MHz supported
2. Dual Broadcom PCIe BCM5787M GbE
3. Six SATA II with Intel® Matrix Storage Technology supported
4. One PCIe x16 / One PCIe x4 / Five PCI expansion slots

## Packing List

1 x IMBA-9654 single board computer
1 x Mini jumper pack
2 x Dual RS-232 cable (P/N: 19800-000113-RS)
1 x RS-232 cable (P/N: 19800-000114-RS)
6 x SATA cable (P/N: 32000062800-RS)
3 x SATA power cable (P/N: 32100-088600-RS)
1 x I/O shielding (P/N: 45014-0017C0-00-RS)
1 x Utility CD
1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
IMBA-9654-R10	ATX form factor mother board supports Intel® LGA775 Core™2 Duo, Core™2 Quad, Pentium D, Processor at FSB1066/800/667 FSB, dual channel DDR2, dual GbE, six SATA II, six COM ports, USB, audio, and 5 PCI slots.
CF-775A-RS	CPU cooler
TPM-WI01-R10	20-pin Winbond TPM with software management tool
TPM-IN01-R10	20-pin Infineon TPM with software 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