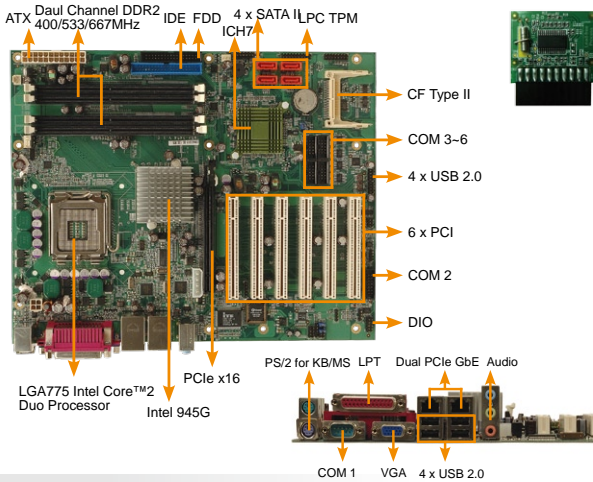


# IMBA-9454

ATX Form Factor with Intel® Core™2 Duo, Pentium® D/ Pentium® 4/ Celeron® D CPU FSB 533/800/1066MHz,, VGA, Dual-channel DDR2, FDD, LPT, 4 x SATA II, 8 x USB 2.0 and 6 COM



## Features

1. Intel® Core™2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in the LGA 775 package
2. Integrated Intel® GMA950 graphics engine that offers adequate display quality via VGA interface
3. Dual-channel DDR-400/533/667MHz SDRAM socket support up to 8GB
4. TPM V1.2 hardware security function supported
5. 4 x SATA II, 8 x USB 2.0, Audio and ATX support only

## Specifications

- ◆ CPU  
LGA 775 Intel® Core™2 Duo, Pentium® 4/Celeron® D processor, FSB 533/800/1066 MHz
- ◆ System Chipsets  
Intel® 945G + ICH7
- ◆ BIOS  
AMI BIOS Label
- ◆ System Memory  
4 x 240-pin Dual-channel DDR2 400/533/667MHz up to 4GB
- ◆ Ethernet  
Dual PCIe Broadcom BCM5787M GbE chipsets
- ◆ I/O Interface  
8 x USB 2.0  
4 x SATA II  
1 x LPT  
1 x FDD  
1 x CF Type II  
5 x RS-232, 1 x RS-232/422/485  
1 x 20-pin LPC for TPM  
2 x PS/2 for KB/MS  
1 x IDE
- ◆ Expansions  
One PCIe x16 (Support PCIe x1/ x16 PCIe add-on cards)  
6 x PCI
- ◆ Infrared Interface  
1 x Infrared Interface by pin header
- ◆ Super I/O  
ITE IT8712F
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Audio  
Realtek ALC655 with AC'97 codec
- ◆ Display  
VGA integrated in Intel® 945G
- ◆ Watchdog Timer  
Software programmable 1-255 sec. system reset.
- ◆ Power Supply  
ATX support
- ◆ Power Consumption  
5V@4.25A, 12V@10.17A, 3.3V@ 6.07A (Pentium 4 3.73GHz/1066 MHz CPU with 1GB DDR2 667MHz)
- ◆ Temperature  
Operating: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity  
Operating: 5% ~ 95% non-condensing
- ◆ Dimensions  
305 (L) mm x 244 (W) mm
- ◆ Weight  
GW: 1200 g; NW: 650 g

## Packing List

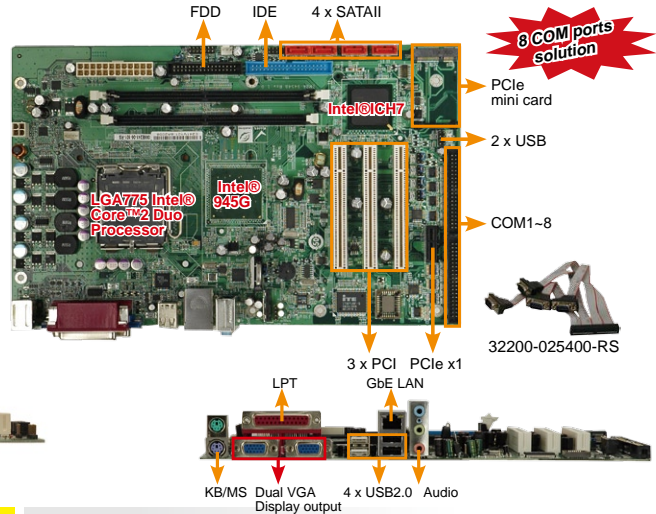
1 x IMBA-9454 Single board computer
1 x IDE Cable (P/N: 32200-000052-RS)
2 x Dual RS-232 Cable (P/N: 32200-004101-RS )
2 x SATA Cable (P/N: 32000-0628000-RS)
1 x SATA Power Cable (P/N: 32100-088600-RS)
1 x I/O Shielding (P/N: 45002-450903-00-RS)
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG

## Ordering Information

Part No.	Description
IMBA-9454G-R10	ATX Motherboard with Intel® LGA 775 Core™2 Duo, Pentium® D/ Pentium® 4/ Celeron® D Processor FSB 533/800/1066MHz, PCIe GbE, SATA II and Audio
32200-000017-RS	FDD Cable
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-W101-R10	20-pin WINBOND TPM Module, S/W Management Tool
TPM-IN01-R10	20-pin INFINEON TPM Module, 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)

# IMBA-9454B

ATX Form Factor with Intel® Core™2 Duo, Pentium®D/ Pentium®4/ Celeron®D CPU FSB533/800/1066MHz, Dual VGA, PCIe GbE, USB2.0, SATA and Audio



## Features

1. Intel® Core™2 Duo, Pentium®D/ Pentium®4/ Celeron®D CPU FSB533/800/1066MHz in LGA775 package
2. Dual-channel DDRII 400/533/667 MHz up to 4GB
3. Dual VGA display output support
4. Support PCIe mini Card/ PCI slot for expansion
5. Multiple COM port support up to 8 COM ports
6. 6 x USB2.0, 4 x SATAII, 1 x IDE, 1 x FDD

## Specifications

- ◆ CPU  
LGA775 Intel® Core™2 Duo, Pentium®D/ Pentium®4/ Celeron®D CPU FSB533/800/1066MHz
- ◆ System Chipset  
Chipset 945G+ICH7
- ◆ BIOS  
AMI BIOS
- ◆ Memory  
2 x 240-pin 400/533/667 MHz dual-channel DDR2 DIMM up to 4 GB
- ◆ Ethernet  
Realtek PCIe 8111CP GbE Controller
- ◆ I/O Interface  
6 x USB2.0  
4 x SATAII  
1 x FDD  
8 x RS-232 (COM1-COM4 pin9 jump select for 5V/12V/Ring)  
1 x LPT  
1 x IDE  
2 x PS/2 for KB/MS
- ◆ Display Output  
VGA1 integrated in Intel® 945G  
VGA2 supported by Chrontel CH7317A
- ◆ Expansion  
3 x PCI  
1 x PCIe x1  
1 x PCIe mini card slot
- ◆ Super IO  
ITE IT8718F
- ◆ Audio  
Realtek ALC655 AC'97 Codec
- ◆ WDT  
Software Programmable support 1-255 sec. System reset
- ◆ Power Supply  
AT/ATX Power
- ◆ Power Consumption  
5V@1.5A, 12V@0.4A, 3.3V@ 4A (Pentium® 4 3.0GHz, 1G 667MHz DDR2)
- ◆ Temperature  
Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity  
Operation: 5% ~95% non-condensing
- ◆ Dimensions  
190mm x 304mm
- ◆ Weight  
GW: 1200g / NW: 650 g

## Packing List

1 x IMBA-9454B single board computer
2 x 4 port RS-232 cable (P/N: 32200-025400-RS)
4 x SATA cable (P/N: 32000-062800-RS)
1 x ATA66 IDE Flat Cable (P/N: 32200-000052-RS)
1 x I/O shielding (P/N:45014-0016C0-00-RS )
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG

## Ordering Information

Part No.	Description
IMBA-9454B-R10	ATX Motherboard with Intel® Core™2 Duo, Pentium®D/ Pentium®4/ Celeron®D CPU FSB533/800/1066MHz, Dual VGA, PCIe GbE, USB2.0, SATA and Audio
32200-000017-RS	FDD Cable
CB-USB02-RS	Dual USB cable
32100-088600-RS	SATA Power cable
CF-775A-RS/CF-520-RS	CPU Cooler
WMPGIE-V01-R10	802.11b+g PCIe mini card wireless LAN module with Atheros
WMUSB-V01-R10	802.11b+g USB embedded module with VIA