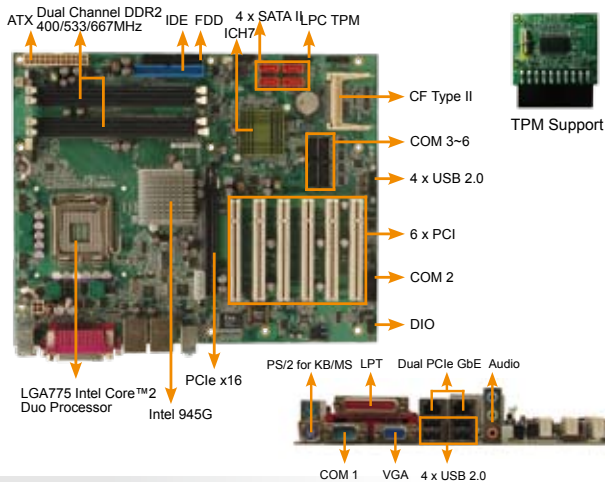


IMBA-9454

ATX Form Factor with Intel® Core™2 Duo, Pentium® D/ Pentium® 4/ Celeron® D CPU FSB 533/800/1066 MHz, 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 graphic engine that offers adequate display quality via VGA interface
3. Dual-channel DDR2-400/533/667 MHz SDRAM socket support up to 4 GB
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 Chipset
Intel® 945G + ICH7
- ◆ BIOS
AMI BIOS Label
- ◆ System Memory
4 x 240-pin Dual-channel DDR2 400/533/667 MHz up to 4 GB
- ◆ 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 1 GB DDR2 667MHz)
- ◆ Temperature
Operating: 0°C ~ 60°C (32° F ~ 140° F)
- ◆ Humidity
Operating: 5% ~ 95% non-condensing
- ◆ Dimensions
305 (L) mm x 244 (W) mm
- ◆ Weight
GW: 1.2 kg / NW: 0.65 kg

Packing List

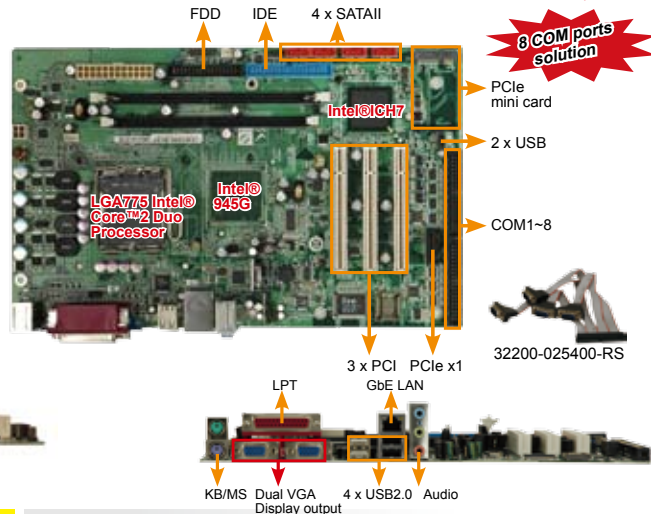
| |
|---|
| 1 x IMBA-9454 single board computer |
| 1 x IDE cable (P/N: 32200-000052-RS) |
| 2 x Dual RS-232 cable (P/N: 19800-000113-RS) |
| 2 x SATA cable (P/N: 32000-0628000-RS) |
| 1 x SATA power cable (P/N: 32100-088600-RS) |
| 1 x I/O shielding (P/N: 45002-450903-00-RS) |
| 1 x Mini jumper pack |
| 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 FSB533/800/1066 MHz, Dual VGA, PCIe GbE, USB2.0, SATA and audio



Features

1. Intel® Core™2 Duo, Pentium®D/ Pentium®4/ Celeron®D CPU FSB533/800/1066 MHz in LGA775 package
2. Dual-channel DDRII 400/533/667 MHz up to 4 GB
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 FSB533/800/1066 MHz
- ◆ 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
- ◆ Expansions
3 x PCI
1 x PCIe x1
1 x PCIe mini card slot
- ◆ Super I/O
ITE IT8718F
- ◆ Audio
Realtek ALC655 AC'97 codec
- ◆ Watchdog Timer
Software Programmable support 1~255 sec. system reset
- ◆ Power Supply
AT/ATX power
- ◆ Power Consumption
5V@2.11A, 12V@10.44A, 3.3V@6.07A (Pentium® D 960 3.6GHz,2GB x 2, 800MHz DDR2, 3DMark 2001)
- ◆ Temperature
Operation: 0°C ~ 60°C (32° F ~ 140° F)
- ◆ Humidity
Operation: 5% ~95% non-condensing
- ◆ Dimensions
190 mm x 304 mm
- ◆ Weight
GW: 1.2 kg / NW: 0.65 kg

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 FSB533/800/1066 MHz, 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 |
| WMPCIE-V01-R10 | 802.11b+g PCIe mini card wireless LAN module with Atheros |
| WMUSB-V01-R10 | 802.11b+g USB embedded module with VIA |