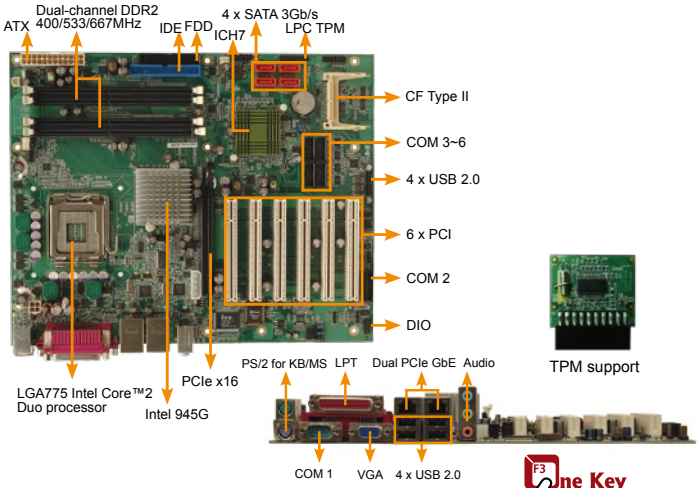
IMBA-9454-R40

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, four SATA 3Gb/s, eight USB 2.0 and six 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 supports up to 4 GB
4. TPM V1.2 hardware security function supported
5. Four SATA 3Gb/s, eight USB 2.0, audio and ATX power only
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

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
- System Memory
  4 x 240-pin dual-channel DDR2 400/533/667 MHz up to 4 GB
- Ethernet
  Dual PCIe Realtek RTL8111E GbE chipsets
- I/O Interfance
  8 x USB 2.0 — 4 x SATA 3Gb/s
  1 x LPT — 1 x FDD
  2 x PS/2 for KB/MS — 1 x IDE
  5 x RS-232 — 1 x RS-232/422/485
  1 x CF Type II
  1 x 20-pin LPC for TPM
- 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 programable 1-255 sec. system reset.
- Power Supply
  ATX support
- Power Consumption
  5V@2.86A, 12V@0.39A, 3.3V@6.24A, Vcore@1.05A (Intel® Core™ 2 Duo E7400 2.8 GHz/ 1066 MHz CPU with 2 x 2GB DDR2 800 MHz)
- 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: 1200 g / NW: 650 g

Packing List

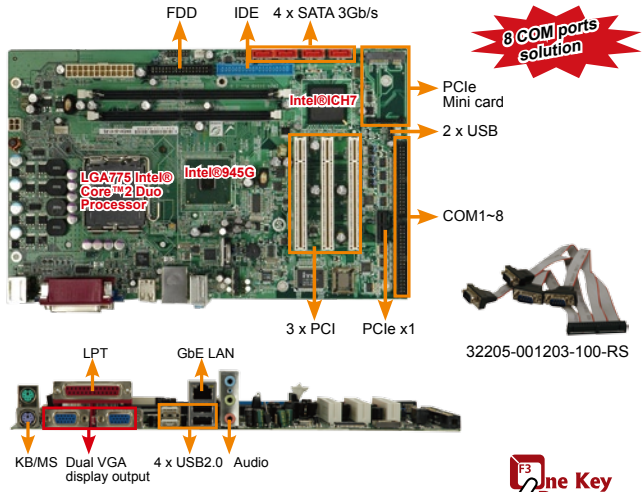
1 x IMBA-9454 single board computer	
1 x IDE cable (P/N: 32200-000052-RS)	
2 x Dual RS-232 cable (P/N: 19800-000113-RS)	
1 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	
2 x SATA cable (P/N: 32000-0628000-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IMBA-9454G-R40	ATX motherboard with Intel® LGA 775 Core™2 Duo, Pentium® D/ Pentium® 4/ Celeron® D Processor FSB 533/800/1066MHz, PCIe GbE, SATA 3Gb/s and Audio
32200-000017-RS	FDD cable
CB-USB02-RS	Dual USB cable
19800-000100-200-RS	Four USB cable
32200-000063-RS	RS-232/422/485 cable
CF-775A-RS/CF-520-RS-R11	CPU cooler
TPM-IN01-R11	20-Pin Infineon TPM module, software management tool, firmware V3.17
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-R11

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 FSB 533/800/1066 MHz in LGA775 package
2. Dual-channel DDR2 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 supports up to eight COM ports
6. Six USB 2.0, four SATA 3Gb/s, one IDE, one FDD
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU
  LGA775 Intel® Core™2 Duo, Pentium®D/ Pentium® 4/ Celeron® D CPU FSB 533/800/1066 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 SATA 3Gb/s
  1 x FDD
  8 x RS-232 (COM1~COM4 pin9 jumper 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 CH7021A
- Expansions
  3 x PCI
  1 x PCIe x1
  1 x PCIe Mini card slot
- Super IO
  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: 1200 g / NW: 650 g

Packing List

1 x IMBA-9454B single board computer	
2 x Quad port RS-232 cable (P/N: 32205-001203-100-RS)	
1 x ATA66 IDE Flat cable (P/N: 32200-000052-RS)	
1 x I/O shielding (P/N:45014-0016C0-00-RS)	
4 x SATA cable (P/N: 32000-062800-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IMBA-9454B-R11	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
32102-000100-200-RS	SATA power cable
CF-775A-RS/CF-520-RS-R11	CPU cooler
WMPCIE-V01-R30	802.11b+g PCIe mini card wireless LAN module
WMUSB-V01-R20	802.11b+g USB embedded module with VIA