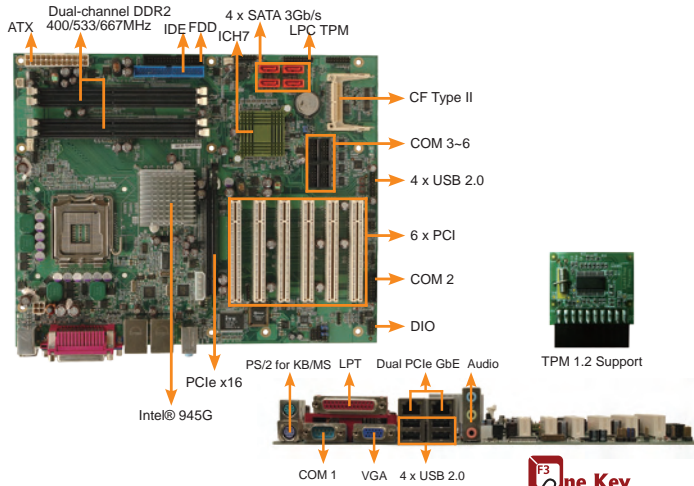


IMBA-9454-R40

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 a LGA 775 package
2. Integrated Intel® GMA950 graphics engine that offers adequate display quality via VGA interface
3. Dual-channel 400/533/667 MHz DDR2 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 400/533/667 MHz DDR2 (system max. 4 GB)
- ◆ Ethernet: Dual PCIe Realtek RTL8111E GbE controller
- ◆ I/O Interface: 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 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 programmable supports 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 two 800 MHz 2GB DDR2)
- ◆ 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

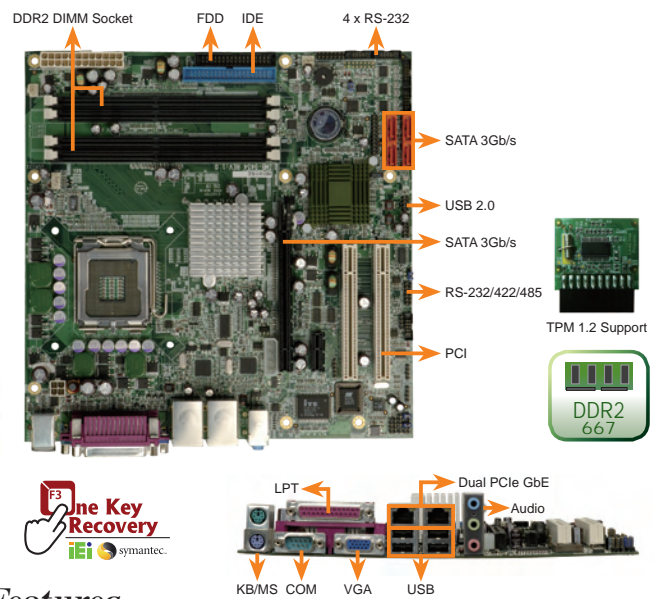
1 x IMBA-9454 single board computer	
1 x IDE cable (P/N: 32200-000052-RS)	
2 x Dual RS-232 cable (P/N: 19800-003600-100-RS)	
1 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32801-000703-200-RS)	1 x Utility CD
1 x One Key Recovery 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
32229-000100-100-RS	FDD cable
19800-003100-200-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)

IMB-9454G-R40

microATX motherboard with Intel® Core™2 Duo, Pentium® 4/Pentium® D/ Celeron® D FSB 533/800/1066 MHz CPU, VGA, dual PCIe GbE, SATA 3Gb/s, USB 2.0, six COM, & audio



Features

1. Intel® Core™2 Duo, Pentium® 4/Pentium® D/Celeron® D CPU with a 533/800/1066MHz FSB
2. VGA integrated in Intel® 945G
3. Dual-channel 533/667MHz DDR2 supports up to 4GB
4. FDD, LPT, four SATA 3Gb/s, eight USB 2.0 and six COM
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: LGA 775 Intel® Core™2 Duo, Pentium® 4/D/ Celeron® D with a 533/800/1066 MHz FSB
- ◆ System Chipset: Intel® 945G + ICH7
- ◆ BIOS: AMI BIOS
- ◆ System Memory: 4 x 240-pin dual-channel DDR2 533/667MHz (system max. 4GB)
- ◆ Ethernet: Dual PCIe Realtek RTL8111E GbE chipset with ASF 2.0 support
- ◆ I/O Interface: 8 x USB 2.0, 4 x SATA 3Gb/s, 1 x LPT, 1 x FDD, 5 x RS-232, 1 x RS-232/422/485, 2 x PS/2 for KB/MS, 1 x IDE, 1 x 20-pin LPC for TPM
- ◆ Expansions: 1 x PCIe x1, 2 x PCI, 1 x PCIe x16 (Support PCIe x1/x16 PCIe add-on cards)
- ◆ 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: ITE IT8712F
- ◆ Audio: Realtek ALC655 with AC'97 codec
- ◆ Display: VGA integrated in Intel® 945G
- ◆ Watchdog Timer: Software programmable 1-255 sec. by super I/O
- ◆ Power Supply: ATX power supply
- ◆ Power Consumption: 5V@2.03A, 12V@0.39A, 3.3V@6.13A, 5Vsb@0.02A, Vcore@2.37A (2.93 GHz Intel® Core 2 Duo E7500 with four 800 MHz 1GB DDR2)
- ◆ Temperature: Operating: 0°C ~ 60°C (32°F~140°F)
- ◆ Humidity: Operating: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244 mm x 244 mm
- ◆ Weight: GW: 1200 g; NW: 680 g

Packing List

1 x IMB-9454G single board computer	
1 x SATA power cable (P/N: 32102-000100-200-RS)	
2 x Dual RS-232 cable (P/N: 19800-000112-RS)	1 x One Key Recovery CD
1 x I/O shielding (P/N: 45014-0017C0-00-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32801-000703-200-RS)	1 x Utility CD
1 x IDE cable (P/N: 32200-000052-RS)	1 x QIG

Ordering Information

Part No.	Description
IMB-9454G-R40	microATX motherboard, Intel® Core™2 Duo CPU 800/1066/1333 MHz FSB with VGA, dual PCIe GbE, SATA 3Gb/s, COM and audio
32229-000100-100-RS	FDD cable
19800-003100-200-RS	Dual USB cable
19800-000100-200-RS	Four USB cable
19800-000082-RS	RS-232/422/485 cable
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)
CF-775A-RS	CPU cooler
CF-520-RS-R11	

1

Industrial Computing Solutions

2

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ORing Network Communication

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Power Supply/ Peripherals

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Panel Solutions Introduction