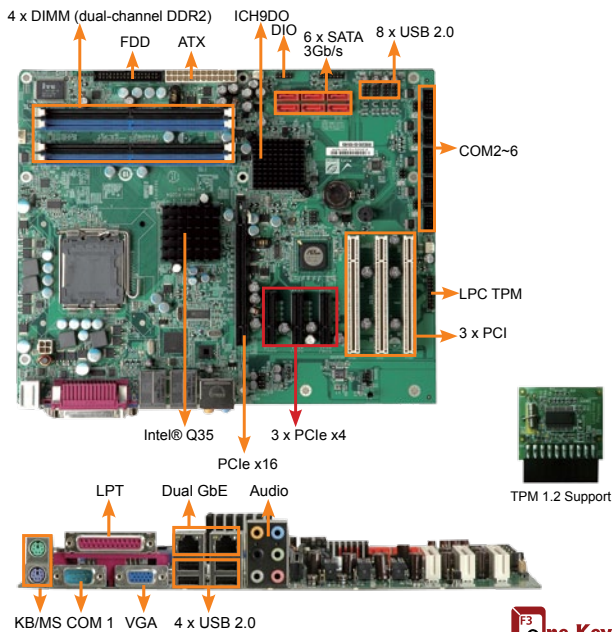


## IMBA-XQ354-R11

LGA 775 45nm Intel® Core™2 Quad, Core™2 Duo, Celeron® CPU with a 1333/1066/800MHz FSB



### Features

1. ATX form factor supports Intel® Q35/ICH9DO
2. Supports Intel® Core™2 Quad/Duo 45nm processor with a 1333/1066/800 MHz FSB
3. PLX PCIe switch for three PCIe x4 add-on cards
4. Six SATA 3Gb/s with Intel® Matrix Storage Technology supported
5. Intel® PCIe GbE with Intel® AMT 3.0 supported
6. TPM1.2 IT security solution supported
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

### Specifications

- ◆ CPU  
LGA 775 45nm Intel® Core™2 Quad, Core™2 Duo, Celeron® CPU with a 1333/1066/800 MHz FSB
- ◆ FSB  
1333/1066/800 MHz
- ◆ System Chipset  
Intel® Q35  
Intel® ICH9DO
- ◆ BIOS  
AMI BIOS
- ◆ Memory  
4 x 240-pin 800/667 MHz dual-channel DDR2 SDRAM DIMM support up to 8 GB
- ◆ Graphics  
Integrated Graphics Device from Q35
- ◆ Display Output  
Analog display (VGA)
- ◆ Ethernet  
Intel® 82566DM (PHY) + ICH9-DO (MAC) for Intel® AMT support  
Intel® 82573L (MAC+PHY) PCIe GbE
- ◆ Super I/O  
ITE IT8718F
- ◆ Audio  
Realtek ALC888 HD Audio codec
- ◆ Digital I/O  
8-bit digital I/O 4-bit input/4-bit output
- ◆ IO Interface  
1 x KB/MS  
1 x FDD  
6 x SATA 3Gb/s  
6 x RS-232 COM Port (2 by super IO, 4 by Fintek F8126DG)
- ◆ Expansions  
1 x PCIe x16  
3 x PCIe x4 (by PLX PEX8518)  
3 x PCI
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec. system reset
- ◆ TPM  
2 x 10-pin LPC header
- ◆ Power Supply  
ATX supported
- ◆ Fan Connector  
1 x 4-pin CPU fan  
2 x 3-pin system fan
- ◆ Power Consumption  
3.3V@2.96A, 5V@6.92A, 12V@2.77A (Intel® Core™2 Duo E6850 CPU with 800 MHz 8GB DDR2 DIMM)
- ◆ Temperature  
Operation: 0°C ~ 60°C (32°F~140°F)
- ◆ Humidity  
Operation: 5% ~ 95%, non-condensing
- ◆ Dimensions: 305 mm x 244 mm
- ◆ Weight: GW: 1200 g/NW: 600 g

### Packing List

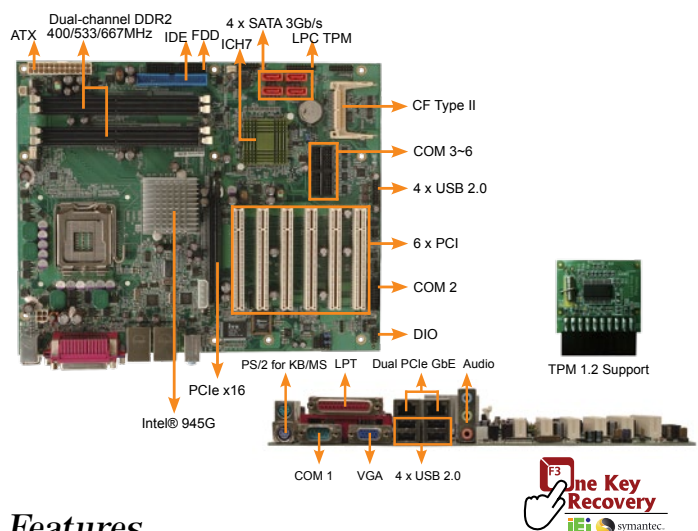
|                                                  |                         |
|--------------------------------------------------|-------------------------|
| 1 x IMBA-XQ354 single board computer             |                         |
| 1 x I/O shielding (P/N: 45014-0025C0-00-RS)      | 1 x One Key Recovery CD |
| 2 x Dual RS-232 cable (P/N: 19800-003600-100-RS) | 1 x Mini jumper pack    |
| 1 x RS-232 cable (P/N: 19800-000114-RS)          | 1 x Utility CD          |
| 6 x SATA cable (P/N: 32102-000100-100-RS)        | 1 x QIG                 |

### Ordering Information

| Part No.                    | Description                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| IMBA-XQ354-R11              | ATX motherboard with Intel® LGA775, Core™2 Quad CPU, Celeron® with a 1333/1066/800 MHz FSB, PCIe x16, PCIe x4, PCIe GbE, SATA 3Gb/s and audio |
| 19800-003100-300-RS         | Dual USB cable                                                                                                                                |
| 19800-000100-200-RS         | Four USB cable                                                                                                                                |
| 32200-000063-RS             | RS-232/422/485 cable                                                                                                                          |
| CF-775A-RS<br>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-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  
1 x LPT  
2 x PS/2 for KB/MS  
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: 32225-002000-100-RS)         |                      |
| 2 x Dual RS-232 cable (P/N: 19800-003600-100-RS) |                      |
| 1 x SATA power cable (P/N: 32102-000100-100-RS)  |                      |
| 1 x I/O shielding (P/N: 45014-0017C0-00-RS)      | 1 x Mini jumper pack |
| 2 x SATA cable (P/N: 32000-062800-RS)            | 1 x Utility CD       |
| 1 x One Key Recovery CD                          | 1 x QIG              |

### Ordering Information

| Part No.                 | Description                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| IMBA-9454-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                                                                                                                                      |
| 19800-003100-300-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)                                                                       |