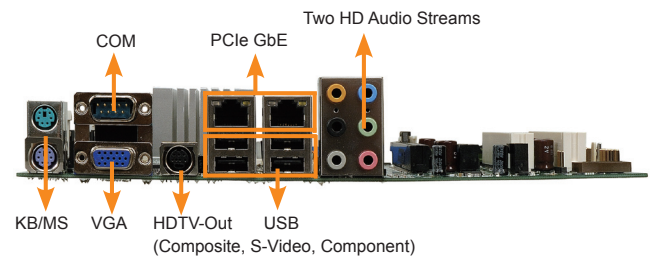
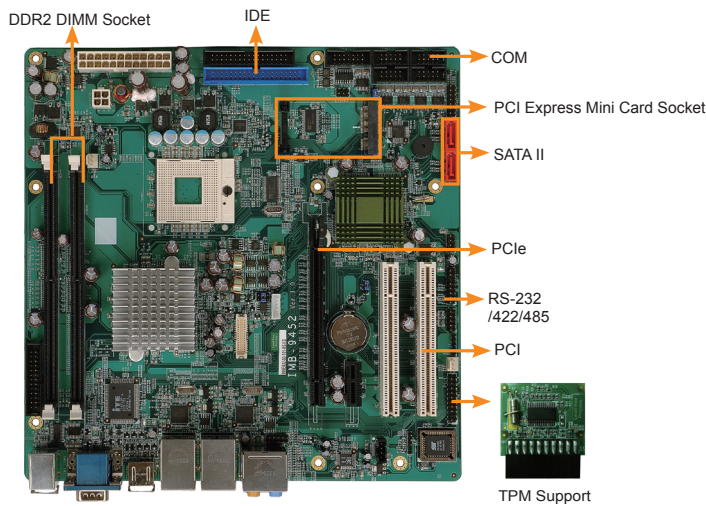


# IMB-9452

micro-ATX Motherboard with Intel® Core™2 Duo, Core™ Duo/Solo 667MHz FSB CPU, VGA, Dual PCIe GbE, SATA II, USB 2.0, 6 x COM and Audio



Socket M

FSB 667

Dual DDR2 667



## Specifications

- ◆ **CPU**  
Socket M Intel® Core™2 Duo, Core™ Duo/ Solo with 667MHz FSB  
Intel® Celeron® M Yonah core with 533MHz FSB
- ◆ **System Chipset**  
Intel® 945GM + ICH7-M (82801GBM/GHM)
- ◆ **BIOS**  
AMI BIOS
- ◆ **System Memory**  
2 x 240-pin dual channel DDR2 533/667MHz up to 4GB
- ◆ **Ethernet**  
Dual PCIe Broadcom BCM5787 GbE chipsets with ASF 2.0 remote control support.
- ◆ **I/O Interface**  
6 x USB 2.0  
5 x RS-232  
1 x RS-232/422/485  
1 x IDE  
1 x FDD  
1 x LPT  
2 x SATA II  
2 x PS/2 for KB/MS  
1 x IrDA  
1 x 20-pin LPC (TPM Module)
- ◆ **Expansions**  
1 x PCIe x16 (Support PCIe x1/2/4/8/16 PCIe add-on cards)  
1 x PCIe x1  
1 x PCI Express Mini Card socket  
2 x PCI
- ◆ **Digital I/O**  
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ **Super I/O**  
ITE-8712
- ◆ **HD Audio**  
Realtek ALC883 with 7.1 channel HD audio and 2 audio streams support
- ◆ **Display Interface**  
VGA Integrated in Intel 945GM  
Support HDTV resolution up to 1080i/ 1080p by component interface  
18-bit dual channel LVDS
- ◆ **Watchdog Timer**  
Software programmable 1-255 sec. by super I/O
- ◆ **Power Supply**  
ATX support
- ◆ **Power Consumption**  
5V@1.52A, 12V@1.76A, 3.3V@3.04A, 5VSB@0.32A  
(Core™ Duo 2.16GHz, DDR2 1GB\*2)
- ◆ **Temperature**  
Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ **Humidity**  
Operation: 5% ~ 95% non-condensing
- ◆ **Dimensions**  
244mm x 244mm
- ◆ **Weight**  
GW: 1200g / NW: 700g

## Features

1. Intel® Core™2 Duo, Core™ Duo/ Solo with 667MHz FSB CPU support
2. Support 1080p HDTV-Out, Dual channel LVDS, VGA and SDVO cards
3. Dual DDR2 533/667MHz DIMM socket support up to 4GB
4. FDD, LPT, SATA II, IDE, USB 2.0 and COM

## Packing List

1 x IMB-9452 Single Board Computer
2 x Dual RS-232 Cable (P/N: 32200-004101-RS)
1 x IDE Cable (P/N: 32200-000052-RS)
1 x SATA Power Cable (P/N: 32100-088600-RS)
2 x SATA Cable (P/N: 32000-062800-RS)
1 x HDTV Out Cable (P/N: 32000-083100-RS)
1 x I/O Shielding
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
IMB-9452-R10	micro-ATX Motherboard with Intel® Core™ Duo/ Core™ Solo 667MHz Processor, LVDS/TV, Dual PCIe GbE, SATA II and Audio
19800-000063-RS	Single RS-232/422/485 Cable
32200-000017-RS	FDD Cable
CB-USB02-RS	Dual-port USB Cable
CB-USB14-RS	Four-port USB Cable
TPM-SI01-R10	20-pin Sinosun TPM Module, S/W Management
TPM-WI01-R10	20-pin Winbond TPM Module, S/W Management
TPM-IN01-R10	20-pin Infineon TPM Module, S/W Management
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-479B-RS	CPU Cooler