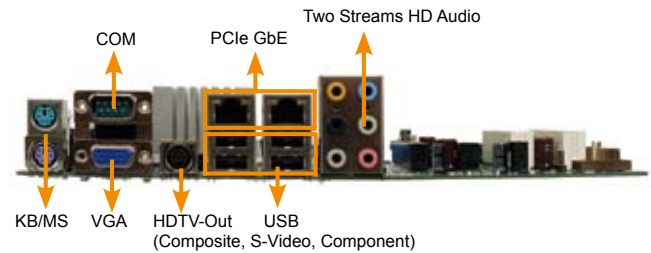
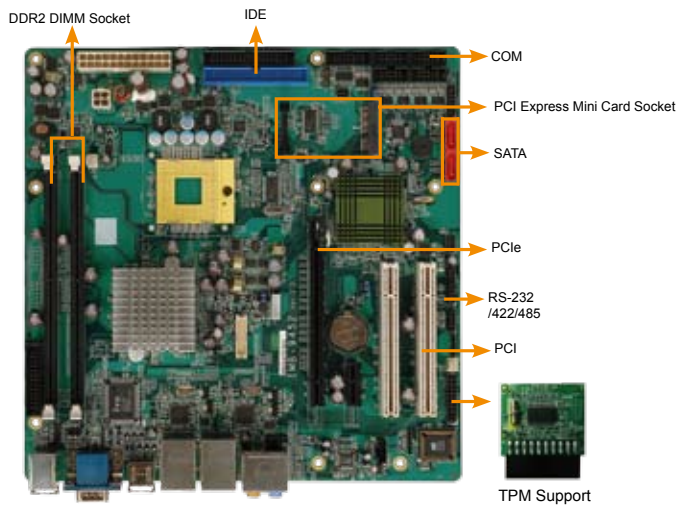


# IMB-9452

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



FSB 667 Dual DDR2 667



## Specifications

- ◆ CPU
  - Socket M Intel® Core™2 Duo, Core Duo/ Solo with 667 MHz FSB
  - Intel® Celeron M 533MHz FSB
- ◆ System Chipsets
  - Intel® 945GM + ICH7-M (82801GBM/GHM)
- ◆ BIOS
  - AMI BIOS
- ◆ System Memory
  - 2 x 240-pin dual-channel DDR2 400/533/667MHz up to 4GB
- ◆ Ethernet
  - Dual Broadcom BCM5787M GbE Chipsets (LAN1 with ASF2.0 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
  - 2 x PS/2 for KB/MS
  - 1 x Infrared Interface
  - 1 x 20-pin LPC for TPM
- ◆ Expansions
  - 1 x PCIe x16 (Support PCIe x1/ x16 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 IT8712F
- ◆ HD Audio
  - Realtek ALC883 HD Audio codec with 2 streams audio support
- ◆ Display Interface
  - VGA Integrated in Intel 945GM
  - Support HDTV resolution up to 1080i by component interface
  - 18-bit dual-channel LVDS
- ◆ Watchdog Timer
  - Software programmable 1-255 sec. by super I/O
- ◆ Power Supply
  - AT/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
  - Operating: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity
  - Operating: 5% ~ 95% non-condensing
- ◆ Dimensions
  - 244 mm x 244 mm
- ◆ Weight
  - GW: 1200 g; NW: 700 g

## Features

1. Intel® Core™2 Duo, Core Duo/ Solo with 667 MHz FSB CPU support
2. Support 1080i HDTV-Out, Dual-channel LVDS, VGA and SDVO cards
3. Dual DDR2 400/533/667MHz DIMM socket support up to 4GB
4. FDD, LPT, SATA, 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 (P/N: 45002-4520C0-00-RS)
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 and Audio
19800-000063-RS	Single RS-422/485 Cable
32200-000017-RS	FDD Cable
CB-USB02-RS	Dual USB Cable
CB-USB14-RS	Four USB Cable
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

1

Application Server Platform

2

Single Board Computer

3

IBX Series POS PC

4

AFOLUX POS Panel PC

5

Video Capture Card

6

KAMIO RISC

7

IOVU Open HMI

8

VITO Universal Controller

9

DINO BLADE

10

LCD Product Series

11

Embedded System

12

Industrial Computer Chassis

13

Power Supply

14

Peripherals