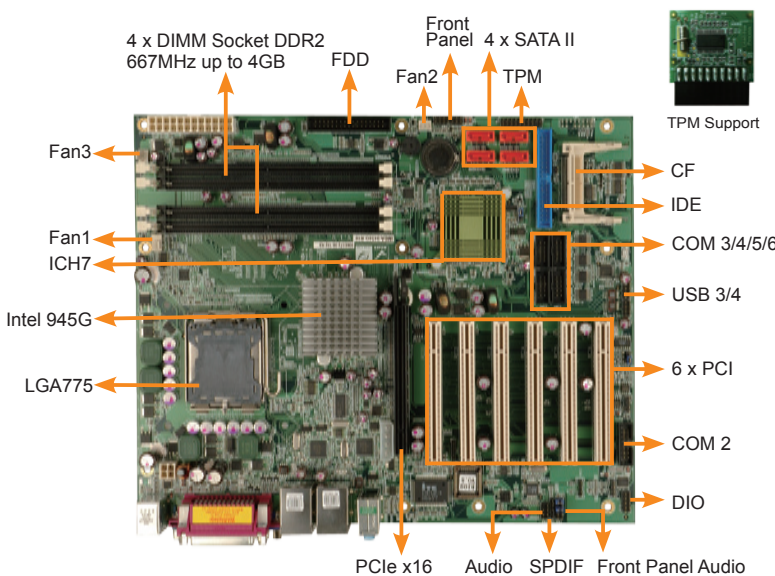
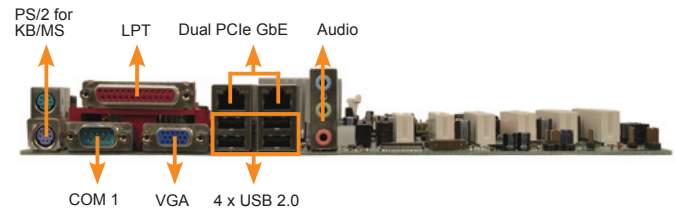


# IMBA-9454

ATX Form Factor with Intel® Core 2 Duo, Pentium® D/ Pentium® 4/ Celeron® D CPU FSB 533/800/1066MHz, VGA, Dual Channel DDR2, FDD, LPT, 4 x SATA II, 8 x USB 2.0 and 6 COM



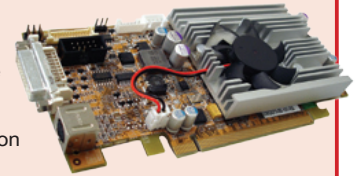
TPM Support



## PVGA-M1600L Low Profile Mobile ATI 1600 Graphic Card

### Features

- ◆ Low Power: ATI 1600 mobile graphic chip
- ◆ Low Profile: 8-cm low profile DVI/ VGA/ LVDS output option
- ◆ PCIe x16 high performance graphic card



## 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 Label
- ◆ **System Memory**  
4 x 240-pin Dual channel DDR2 400/533/667MHz up to 4GB
- ◆ **Ethernet**  
Dual PCIe Broadcom BCM5787 GbE chipsets
- ◆ **I/O Interface**  
8 x USB 2.0  
4 x SATA II  
1 x LPT  
1 x FDD  
1 x CF Type II  
5 x RS-232, 1 x RS-232/422/485  
1 x 20-pin LPC for TPM modules support  
2 x PS/2 for KB/MS  
1 x IDE
- ◆ **Expansions**  
1 x PCIe x16 (Support PCIe x1/2/4/8/16 PCIe add-on cards)  
6 x PCI
- ◆ **IrDA**  
1 x IrDA by pin header
- ◆ **Super I/O**  
ITE8712
- ◆ **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 1-255 sec. system reset.
- ◆ **Power Supply**  
ATX support
- ◆ **Power Consumption**  
5V@4.25A, 12V@10.17A, 3.3V@ 6.07A  
(Pentium 4 3.73GHz/1066 MHz CPU with 1GB DDR2 667MHz)
- ◆ **Temperature**  
Operation: 0°C ~ 60°C (32 ~ 140° F)
- ◆ **Humidity**  
Operation: 5% ~ 95% non-condensing
- ◆ **Dimensions**  
305 (L) mm x 244 (W) mm
- ◆ **Weight**  
GW: 1200 g; NW: 650 g

## Features

1. Intel Core 2 Duo, Pentium D, Pentium 4, Celeron D processor in the LGA 775 package
2. Integrated Intel GMA950 graphics engine that offers adequate display quality via VGA interface
3. Dual channel DDR-400/533/667MHz SDRAM socket support up to 8GB
4. TPM V1.2 hardware security function supported
5. 4 x SATA II, 8 x USB 2.0, Audio and ATX support only

## 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: 32200-004101-RS )
2 x SATA Cable (P/N: 32000-0628000-RS)
1 x SATA Power Cable (P/N: 32100-088600-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
IMBA-9454G-R10	ATX Motherboard with Intel® LGA 775 Core 2 Duo, Pentium® D/ Pentium® 4/ Celeron® D Processor FSB 533/800/1066MHz, PCIe GbE, SATA II and Audio
32200-000017-RS	FDD Cable
CB-USB02-RS	Dual USB Cable
CB-USB14-RS	Four USB Cable
32200-000063-RS	RS-232/422/485 cable
CF-775A-RS / CF-520-RS	CPU Cooler
TPM-SI01-R10	20-pin SINESUN TPM Module, S/W Management Tool
TPM-WI01-R10	20-pin WINBOND TPM Module, S/W Management Tool
TPM-IN01-R10	20-pin INFINEON TPM Module, S/W Management Tool
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)