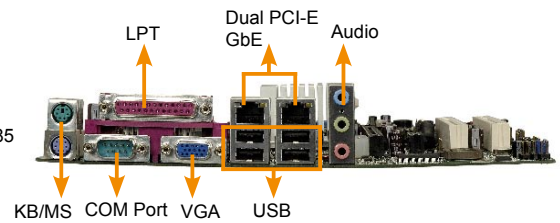
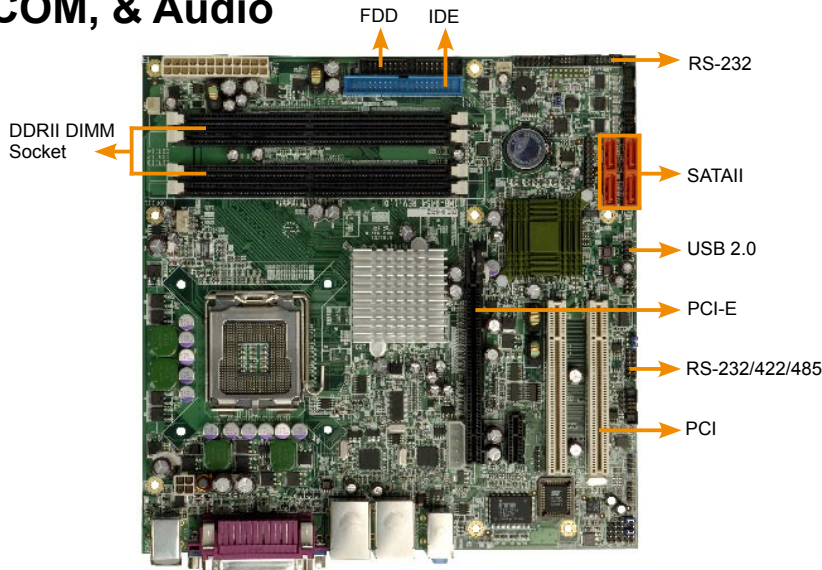


# IMB-9454G

**Micro ATX Motherboard with Pentium® 4/ Pentium® D/ Celeron® D  
FSB 533/800/1066MHz CPU, VGA, Dual PCI-E GbE, SATAII, USB 2.0,  
COM, & Audio**



## Feature

1. Intel® Pentium® 4/ Pentium® D/ Celeron® D CPU support up to FSB 533/800/1066MHz
2. CRT, VGA integrated in Intel® 945G
3. Dual channel DDRII 400/533/667MHz support up to 4GB
4. FDD, LPT, 4 x SATAII, 8 x USB 2.0 and 6 x COM



## Specification

### ◆ CPU

LGA 775 for Intel® Pentium® 4/ Pentium® D/ Celeron® D processor, FSB 533/800/1066MHz

### ◆ System Chipset

Intel® 945G + ICH7

### ◆ BIOS

AMI BIOS Label

### ◆ System Memory

Support dual channel DDRII 400/533/667MHz, maximum memory supported 4GB  
4 x DDRII DIMM socket support up to 4GB

### ◆ Ethernet

Dual Broadcom BCM5787 for PCI express GbE

### ◆ I/O

8 x USB 2.0  
4 x SATAII-300  
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 ATA-100 IDE

### Extension

1 x PCI-E x16  
1 x PCI-E x1  
2 x PCI

### ◆ Digital I/O

4 input / 4 output by supper I/O

### ◆ IrDA

1x IrDA by pin header

### ◆ Super I/O

ITE8712

### ◆ Audio

AC'97 CODEC

### ◆ Display

VGA integrated in Intel® 945G

### ◆ Watchdog Timer

Software programable 1-255 sec. by supper I/O

### ◆ Power Supply

ATX power supply

### ◆ Power Consumption

5V@2.09A,+12V@8.9A,+3.3V@3.6A,5Vsb@0.67A  
(Pentium® 4 3.2GHZ,DDRII 533 512MB\*4) -- 3D Mark

### ◆ Temperature

Operation: 0 ~ 60° C (32 ~ 140° F)

### ◆ Humidity

Operation: 5% ~ 95% non-condensing

### ◆ Dimension

244(L) mm x 244(W) mm

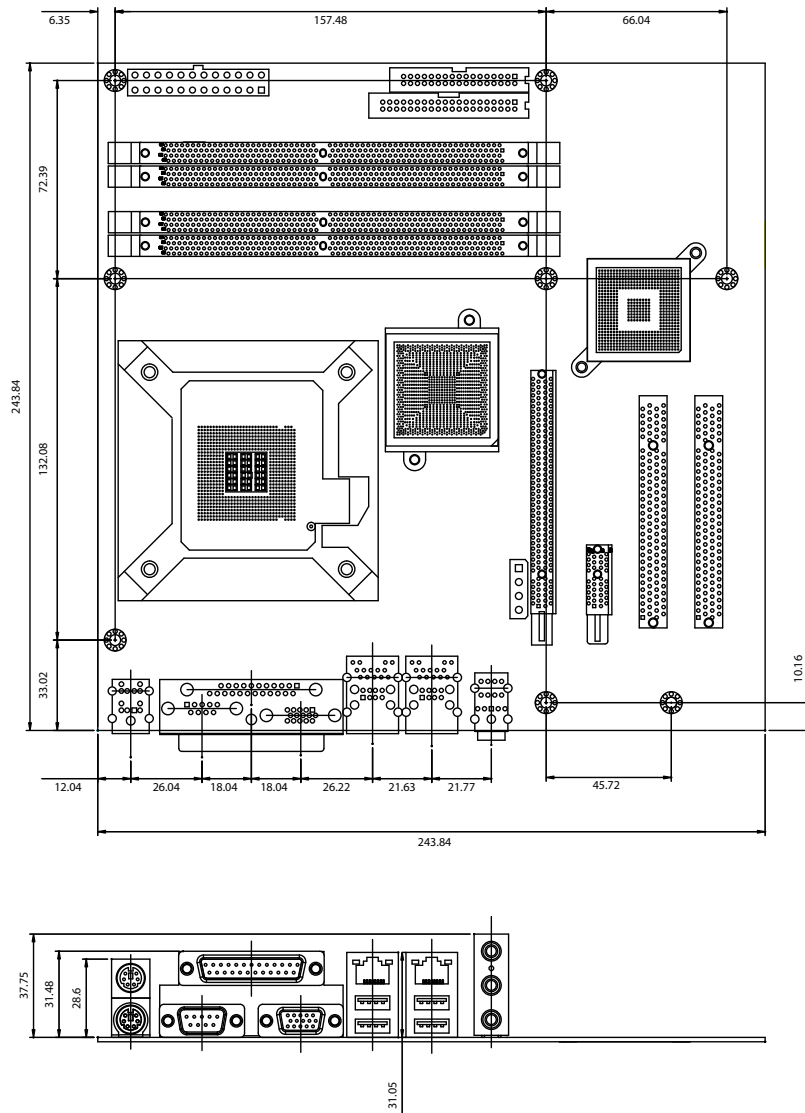
### ◆ Weight

GW: 1200g; NW: 680g

## Why IEI's Industrial Motherboards?

- **Reliability:** Passed wide temp (0~60°C) booting and operation test.
- **Longer Product Life Cycle:** All major components include chipsets in IEI's industrial motherboards are long-term support with RoHS compliance.
- **Customization:** Coordinate with your project to meet all your needs.

## Dimension



## Packing List

1 x IMB-9454G Single Board Computer	2 x SATA Cable (P/N: 32000-062800-RS)
2 x Dual RS-232 Cable (P/N: 32200-028401-RS)	1 x I/O Shielding (P/N: 45002-450903-RS)
1 x RS-422/485 Cable (P/N: 32200-000077-RS)	1 x Mini Jumper Pack
1 x IDE Cable (P/N: 32200-000052-RS)	1 x Utility CD
1 x SATA Power Cable (P/N: 32100-088600-RS)	1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
IMB-9454G-R10	Micro-ATX MB Intel® Pentium® D LGA775 FSB 1066MHz with VGA, Dual PCI-E GbE, SATA II ,6 COM and Audio
32200-000017-RS	FDD Cable
CB-USB02-RS	USB Cable