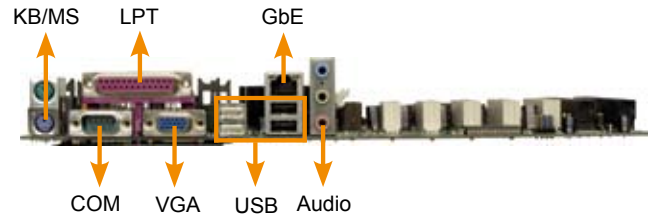
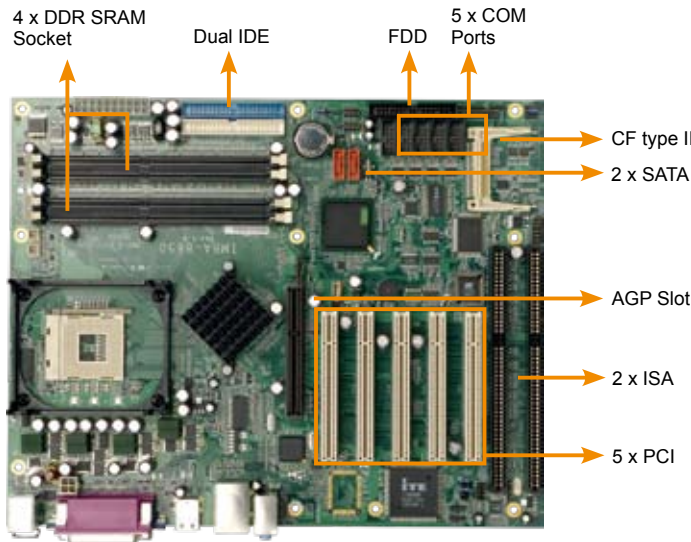


# IMBA-8650

ATX Motherboard, Pentium® 4 Processor 533/800MHz FSB with VGA, LCD, SATA, 8 USB 2.0, 6 COM and Audio



## Specifications

- ◆ **CPU**  
Socket 478 Intel® Pentium® 4/Celeron® D support 800/533 MHz FSB up to 3.4GHz with Hyper-Threading Technology.
- ◆ **System Chipset**  
Intel® 865G + ICH5
- ◆ **BIOS**  
AWARD BIOS
- ◆ **System Memory**  
4 x 184-pin dual channel DDR 333/400MHz up to 4GB
- ◆ **Ethernet**  
Intel 82541 GbE with ASF2.0 support. (IMBA-8650GN)  
Realtek 8110SC GbE (IMBA-8650GR)
- ◆ **I/O Interface**  
8 x USB 2.0  
2 x SATA  
1 x LPT  
1 x FDD  
1 x CF Type II  
5 x RS-232  
1 x RS-232/422/485  
2 x PS/2 for KB/MS  
2 x IDE
- ◆ **Digital I/O**  
8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ **Super I/O**  
W83627HG
- ◆ **IrDA**  
1 x IrDA by pin header (SIR mode)
- ◆ **Expansions Slot**  
1 x AGP 8X/4X  
4 x PCI  
1 x ISA  
1 x PCI/ISA
- ◆ **Audio**  
Realtek ALC655 with AC'97 codec
- ◆ **Display Interface**  
VGA integrated in Intel® 865G
- ◆ **Watchdog Timer**  
Software programmable 1-255 sec. system reset
- ◆ **Power Supply**  
ATX support
- ◆ **Power Consumption**  
12V@7.3A, 5V@4.9A, 3.3V@0.7A, -12V@0.2A, 5VSB@0.7A (Pentium® 4 3.0GHz, 1GB DDR 400MHz SDRAM)
- ◆ **Temperature**  
Operation: 0°C ~ 60°C (32 ~ 140° F)
- ◆ **Humidity**  
Operation: 5% ~ 95% non-condensing
- ◆ **Dimensions**  
305 mm x 244 mm
- ◆ **Weight**  
GW: 1200 g; NW: 600 g

## Features

1. Intel® Socket 478 Pentium® 4 CPU support up to FSB 533/800MHz
2. VGA integrated in Intel® 865G
3. Dual channel DDR-333/400MHz SDRAM socket support up to 4GB
4. 2 x SATA 150, 8 x USB 2.0 and Audio, ATX support

## Packing List

|   |
|---|
| 1 x IMBA-8650 Single Board Computer         |
| 2 x IDE Cable (P/N: 32200-000052-RS)        |
| 2 x RS-232 Cable (P/N: 32200-004101-RS)     |
| 1 x RS-232 Cable (P/N: 32200-029400-RS)     |
| 1 x RS-422/485 Cable (P/N: 19800-000063-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 (P/N: 45002-0804C0-00-RS) |
| 1 x Mini Jumper Pack                        |
| 1 x Utility CD                              |
| 1 x QIG (Quick Installation Guide)          |

## Ordering Information

| Part No.        | Description   |
|-----------------|---|
| IMBA-8650GR-R10 | ATX Motherboard with Intel® Pentium® 4 Socket 478 FSB 800MHz, AGP 8X, Realtek GbE, SATA and Audio |
| IMBA-8650GN-R10 | ATX Motherboard with Intel® Pentium® 4 Socket 478 FSB 800MHz, AGP 8X, Intel® GbE, SATA and Audio  |
| 32200-000017-RS | FDD Cable   |
| CB-USB02-RS     | Dual USB Cable  |
| CB-USB14-RS     | Four USB Cable  |
| CF-478A-RS      | CPU Cooler  |
| CF-478B-RS      | CPU Cooler  |
| CF-514-RS       | CPU Cooler  |
| CF-519-RS       | CPU Cooler  |

- 1 Single Board Computer
- 2 VIDEO CARD
- 3 Xscale Solutions
- 4 Open HMI
- 5 VITO Universal Controller
- 6 DINO BLADE
- 7 LCD Product Series
- 8 Embedded System
- 9 Industrial Computer Chassis
- 10 Power Supply
- 11 Peripherals