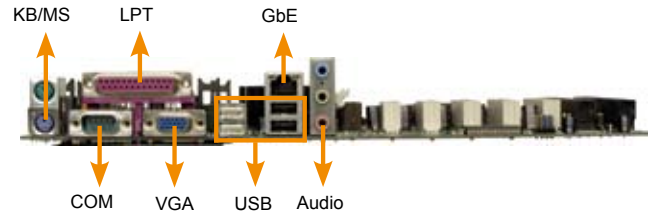
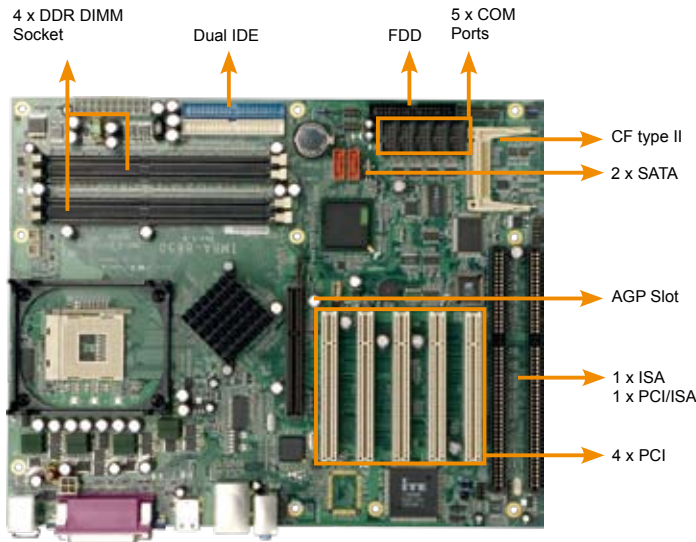


IMBA-8650-R20

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



FSB 800

Dual DDR 400



Specifications

- ◆ CPU
Socket 478 Intel® Pentium® 4/Celeron® D support 800/533 MHz FSB up to 3.4GHz with Hyper-Threading Technology.
- ◆ System Chipsets
Intel® 865G + ICH5R
- ◆ 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
N/A
- ◆ Super I/O
W83627HG
- ◆ Infrared Interface
1 x Infrared Interface 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
Operating: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity
Operating: 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-R20	ATX Motherboard with Intel® Pentium® 4 Socket 478 FSB 800MHz, AGP 8X, Realtek GbE, SATA and Audio
IMBA-8650GN-R20	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

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