

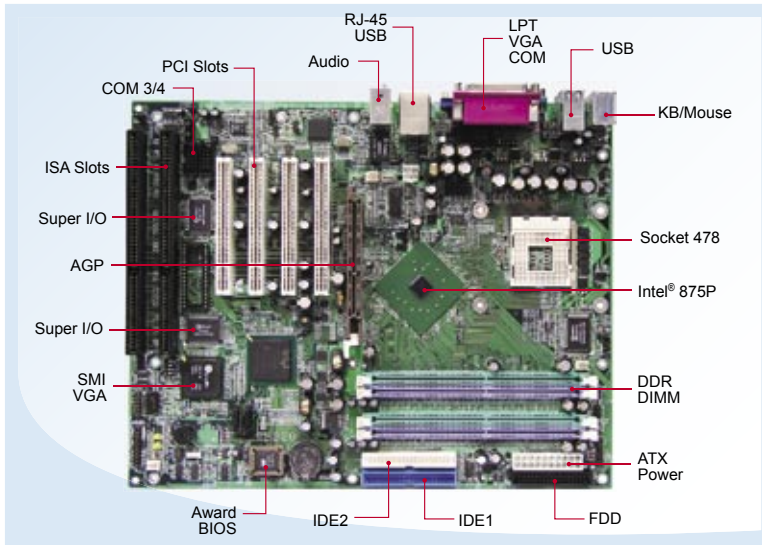
IPC Motherboards



MB820

Socket 478 Pentium® 4 ATX Motherboard w/ Intel® 875P Chipset

Pentium® 4-Based



>> Features

- Supports Pentium® 4 / Celeron® processors
Up to 3.2GHz, 533MHz/800MHz FSB
- DDR DIMM x 4, Max. 4GB
- On-board 10/100 BaseT or optional Gigabit LAN
- SMI SM712 VGA, 4MB memory, ALC650 audio
- DiskOnChip®, Watchdog timer, 6 x USB 2.0 ports
- 2 x SATA, Digital I/O, 1 x AGP, 4 x PCI, 2 x ISA slots

System

CPU	Socket 478 for Pentium® 4 / Celeron®, up to 3.2GHz
System Memory	DDR DIMM x 4, Max. 4GB
System Chipset	Intel® 875P + ICH5R, 533MHz/800MHz FSB
BIOS	Award 4Mbit
Watchdog Timer	256 levels
SSD	DiskOnChip®
H/W Monitor	Yes
Expansion Slot	AGP, 4 PCI, 2 ISA

Graphics

VGA Controller	SMI 712
VGA Memory	4MB embedded
LCD Interface	N/A

Ethernet

LAN Controller	ICH5R integrated LAN, 10/100Mbps or Intel® 82547GI Gigabit LAN
Connector	RJ-45 on board

Multi I/O

Chipset	Winbond W83627HF + W83877TF 2x IDE (UDMA33/66/100), 1x FDD, 1x KB, 1x Mouse, 3x RS-232, 1x RS-232/422/485, 1x LPT, 2x SATA
USB	6 ports on board (USB 2.0)
Audio	Built-in audio + AC97 codec
Others	IrDA

Mechanical and Environmental

Dimensions	305mm x 244mm (12" x 9.6")
Max. Power Requirement	Pentium® 4 3.06GHz w/ 2GB DDR +5V: 1.49A +12V: 10.45A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-68°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Ordering Information

MB820	Socket 478 875P ATX motherboard w/ VGA and 10/100 Ethernet
MB820F	Socket 478 875P ATX motherboard w/ VGA and Gigabit Ethernet

Remarks:

* Add (-R) after the model name for RoHS-compliant version when ordering.

Motherboards

For user's manual & datasheet download, visit www.ibase.com.tw