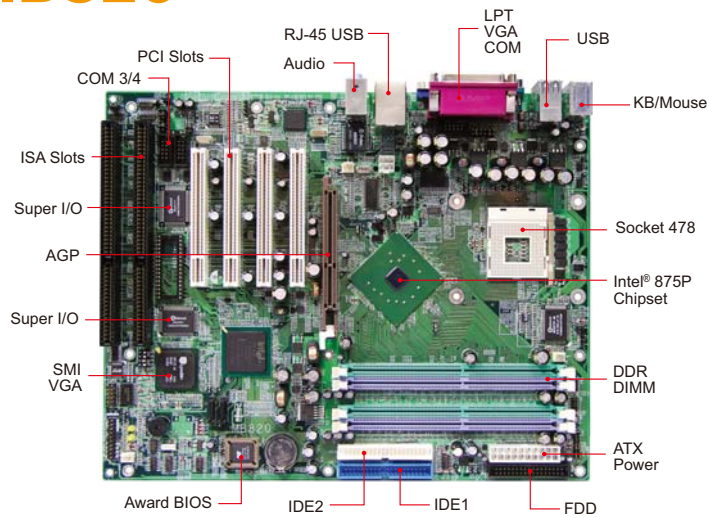




## MB820



### System

CPU	Socket 478 for Pentium® 4 / Celeron®, up to 3.2GHz
System Memory	4x DDR DIMM, Max. 4GB
System Chipset	Intel® 875P + ICH5R, 533MHz/800MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	DiskOnChip®
H/W Monitor	Yes
Expansion Slot	1x AGP, 4x PCI, 2x ISA

### Graphics

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

### LAN

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

### Multi I/O

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

### Features

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

### 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 (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

### Ordering Information

MB820-R	Socket 478 875P ATX motherboard w/ VGA and 10/100 LAN
MB820F-R	Socket 478 875P ATX motherboard w/ VGA and Gigabit LAN

#### Remarks:

\* Specifications are subject to change without prior notice.

Motherboards

1

Disk-Size SBCs

2

CPU Modules

3

PC/104 Plus

4

CPU Cards

5

AGP &amp; MicroAGP

6

Embedded Systems

7

Network Security Appliance

8