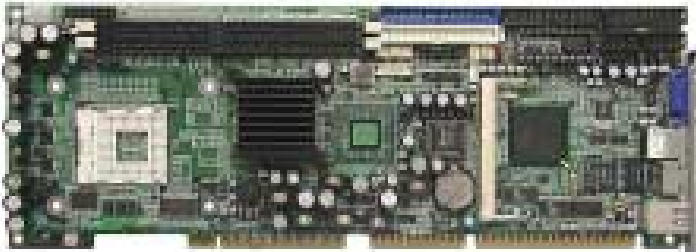


# High-End, Full-Size Socket 478 Single Board Computers



## IB-820 Ideal for Pentium IV or Socket 478 Celeron Processors



### SPECIFICATIONS

**CPU:** Socket 478 Intel Pentium 4, 1.30 GHz ~ 3.06GHz+, 533MHz/400MHz FSB

**Chipset:** Intel 845G Chipset

**L2 Cache:** 128K/256K/512K

**BIOS:** Award BIOS, ACPI supported

**Memory:** 2-DDR sockets, up to 2GB DDR SDRAM

**Integrated VGA:** Intel 845G/GL integrated VGA, supports CRT interface (optional ATI Mobility M7 graphics controller, 16MB/32MB embedded memory, frame buffer (DDR, AGP4), LVDS/TMDS/dual CRT interface, integrated MPEG-2 decode capability

**LAN:** ICH4 integrated Ethernet controller, 10Base-T/ 100 Base-TX Protocol (Optional Intel 82540 Gigabit Ethernet

**Audio:** ICH4 integrated audio, (Optional AC97 codec and audio cable

**LPC I/O:** W83627HF chipset supports IrDA x 1, Parallel x 1, COM1 (RS232), COM2 (RS232/422/485), FDC up to 2.88MB (3 Mode support), hardware monitor (3 thermal inputs, 6 voltage monitor inputs, VIDO-4, 3 fan headers)

**IDE Interface:** Built in ICH4; Two enhanced IDE supports 4 IDE devices including UDMA33/66/100, PIO mode 4 and bus master

**FDD Interface:** Supports up to two floppy disk drives: 3.5" and/or 5.25" drives; 3 Mode support

**Ports:** 1-parallel (SPP/EPP/ECP), 1-serial RS-232, 1-serial RS-232/422/485, 6-USB 2.0

**Watchdog Timer:** Generates system reset; 256 levels

**Solid State Disk:** Supports 2MB~144MB M-Systems DiskOnChip flash disk

**Monitoring:** Built in W83627HF; monitors system/CPU temperature and voltage status

**IrDA:** Pin header

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**Extra Features:** ISA High Drive, PCI to ISA Bridge (ITE 8888), One MicroPCI socket, ATX 12V power connector

**Power:** Pentium 4 1.8GHz, 512MB DDR SDRAM +5V: 5.7A +12V: 8.5A  
Pentium 4 2.2GHz with 512MB DDR SDRAM +5V: 6.4A +12V: 6.3A

**Form Factor:** Full Size CPU Card

**Dimensions:** 338mm x 122mm (13.3" x 4.8")

**Temperature:** Operating: 0°C~60°C (32°F~140°F)  
Storage: -20°C~80°C (-68°F~176°F)

**Relative Humidity:** 10%~90% (non-condensing)

### Ordering Information:

#### IB820F-32

Socket 478 Intel 845G PICMG Full Size, support Intel Pentium 4 CPU 1.3~3.06GHz+, w/ 1 x LAN, 1 x Gigabit LAN, ATI M7 VGA 32MB DDR, w/o Audio, TMDS, TV-out

#### IB820L-32

Socket 478 Intel 845G PICMG Full Size, support Intel Pentium 4 CPU 1.3~3.06GHz+, w/ LAN, ATI M7 VGA 32MB DDR w/o Gigabit LAN, Audio, TMDS, TV-out

#### IB820

Socket 478 Intel 845G PICMG Full Size, support Intel Pentium 4 CPU 1.3~3.06GHz+, w/ LAN, VGA, w/o Gigabit LAN, Audio, ATI M7 VGA, TMDS, TV-out

All specifications are subject to change without notice.

