

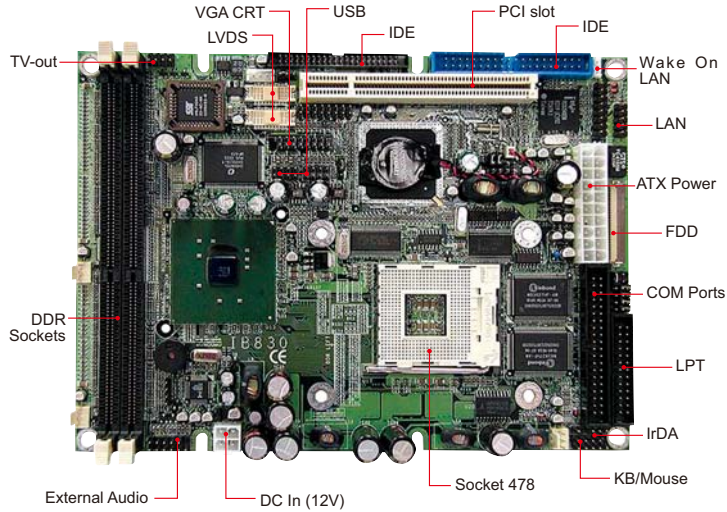


# Disk-Size SBCs

Socket 478 Pentium® 4 5.25" Disk-Size SBC w/ Intel® 845GV Chipset

Intel® Pentium® 4-Based

## IB830H



### System

CPU	Socket 478 for Pentium® 4 / Celeron®, up to 3.06GHz
System Memory	2x DDR DIMM, Max. 2GB
System Chipset	Intel® 845GV + ICH4, 400/533MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slot	1x PCI (2 masters)

### Graphics

VGA Controller	Intel® 845GV integrated graphics ( Intel® Extreme Graphics)
VGA Memory	Intel® Dynamic Video Memory Technology (DVMT) memory allocation
LCD Interface	18/24-bit LVDS (dual channel)

### LAN

LAN Controller	Intel® ICH4 integrated LAN, 10/100Mbps
Connector	Pin header for RJ-45

### Multi I/O

I/O Chipset	Winbond W83627HF + W83627HF 2x IDE (UDMA33/66/100), 1x FDD, 1x KB, 1x Mouse, 3x RS-232, 1x RS232/422/485, 1x LPT
USB	Pin header for 4 ports (USB 2.0)
Audio	Built-in audio + AC97 codec
Others	IrDA

### Features

- Supports Pentium® 4 / Celeron® processors  
Up to 3.06GHz, 400/533MHz FSB
- 2x DDR DIMM, Max. 2GB
- Integrated VGA, shared memory, CRT/LVDS
- Onboard 10/100BaseT LAN
- Watchdog timer, 4x USB 2.0
- 4x COM ports, 1x PCI slot

### Mechanical and Environmental

Dimensions	203mm x 146mm (8" x 5.75")
Max. Power Requirement	Pentium® 4 2.4GHz, w/ 512MB DDR +5V: 3.99A +12V: 4.72A
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

IB830H-R	Socket 478 845GV 5.25-inch SBC w/ VGA and 10/100 LAN
IB18	Cable kit for IB830H-R, w/ FDD, IDEx2, COM, printer, VGA, audio, PS/2 and USB
IBD-R	RJ-45 cable with bracket for IB830H
ID240-R	10/100, GbE RJ45 board (see page 24)
IP115	Riser card with 1x PCI (see page 24)
IP151-R	Riser card with 2x PCI (see page 24)
IP340	Riser card with 2x PCI (see page 24)
IP450-R	Riser card with 2x PCI (see page 25)

Remarks:

\* Specifications are subject to change without prior notice.