

## P4 BLSII motherboard

### Intel® Pentium 4, 865PE Industrial Motherboard



Rear I/O Board

### Specification

<b>Model</b>	P4BLSII
<b>Form Factor</b>	Industrial motherboard
<b>Board Size</b>	13"x 8.67"
<b>CPU Type</b>	Socket 478
<b>CPU Voltage</b>	0.8375V~1.6V (VRD 10)(up 103W)
<b>System Speed</b>	2.26GHz ~ 3.4GHz+
<b>CPU Front Side Bus</b>	800 /533 /400 MHz
<b>Green /APM</b>	APM1.2
<b>Chipset</b>	Intel® 865PE Chipset MCH: 82865PE 932 Pin FCBGA ICH5: 82801ER 460 Pin MBGA FWH
<b>BIOS</b>	Award BIOS Support ACPI Function
<b>Cache</b>	256K(Celeron)/512K/1M(Pentium® 4), Level 2 cache
<b>AGP</b>	Support AGP 8X interface
<b>LAN</b>	ICH5 integrated LAN controller (10/100Mb) + Phy 82562EZ
<b>Audio</b>	ICH5 Built-in Sound controller + AC97 Codec ALC650 (5.1 channel)
<b>Memory type</b>	2 x DDR 2.5V DDR400/333/266 SDRAM DIMM Module (support dual channel), Max. 2GB (non-ECC)
<b>LPC I/O</b>	Winbond 83627THF: IrDAX1 Parallel x1, COM1 (RS-232), COM2 (RS-232), FDC 2.88MB (3 Mode Support), Hardware monitor (3 thermal inputs, 8 voltage monitor inputs, VID0-4, 2 Smart DC fan header)
<b>Hardware monitor</b>	Winbond W83792AD (3 thermal inputs, 3 Smart DC fan)
<b>RTC/CMOS</b>	ICH5 Built-in
<b>Keyboard Controller</b>	Winbond 83627THF Built-in
<b>EPP/ECP</b>	Yes
<b>IDE</b>	ICH5 built-in, IDE1, 2 (Ultra DMA 33/66/100)
<b>Serial ATA</b>	2 ports,
<b>On board Pin-header</b>	PS/2 Mouse & Keyboard x 1, COM Port x 2, Parallel Port x 1, Sound x 1, LAN x 1, USB x 4, IrDA x 1, IDE x 2 , FDD x 1, Feature header x 1
<b>Power Connector</b>	ATX Connector x1 & ATX 12V x 1
<b>Expansion Slots</b>	1 AGP, 6 PCI
<b>Serial Ports</b>	Support RS232 only
<b>USB</b>	Support USB 2.0 * 6 set
<b>Watchdog Timer</b>	256 segments, 0,1,2...255. sec/ min
<b>System Voltages</b>	+5V,+12V,5VSB,3.3V
<b>EMI</b>	Pre-scan Class B pass
<b>Other Features</b>	Modem Wakeup, LAN Wake up

### Introduction

The P4BLSII is an industrial motherboard design for ACMEII 800, ACMEII 803 portable computer chassis. It is based on the Intel® 865PE chipset. Featuring a front side bus of up to 800MHz, the motherboard supports CPU speeds of up to 3.4GHz. Two DDR memory slots allow a capacity of 2GB.

The model does not support integrated graphics but has AGP and PCI expansion slots to allow the user to insert a graphics card when needed. Two serial ATA ports features higher data transfer rates than IDE standards with SATA hard disks.

Six USB ports support makes it easy to connect current devices such CD writers, printers, external enclosures and other peripheral devices. Other features include RS232 serial ports, watchdog timer and 5.1 audio channel.

### Feature

- Supports Intel® Pentium® 4 Processor, up to 3.4GHz processor
- Intel® 865PE Chipset with 533Mhz/800MHz FSB
- Two DDR sockets supports up to 2 GB
- ICH5 10/100 LAN
- One AGP 8x slot, 6 PCI slots
- Two SATA ports, Six USB 2.0 ports
- Digital I/O, Watchdog timer

### Ordering Information

- **P4BLSII**

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### Recommended Portable chassis:

- **ACMEII800**
- **ACMEII803**