

# IB868

## Socket 479 PICMG 1.3 SHB Express Full Size CPU Card



(click to zoom)  
[Datasheet in PDF](#)



### FEATURES

- Supports Pentium® M / Celeron® M processors
- Two DDR2 SDRAM DIMM, Max. 2GB
- Onboard 10/100 BaseT, optional Gigabit Ethernet
- Intel® 915 Express VGA for CRT / LVDS, dual display
- 6x USB 2.0, 2x COM, Watchdog timer, Digital I/O
- Optional backplane with 3x PCI-E(x1), 1x PCI-E (x16), 4x PCI slots

### IB868 SPECIFICATIONS

#### CPU Socket

Socket 479

#### CPU

Supports Intel® Pentium® M, Celeron® M  
Up to 2.26GHz

#### CPU Front Side Bus (FSB)

400MHz / 533MHz

#### Chipset

Intel® 915GM chipset  
ICH6M

#### BIOS

Award BIOS, ACPI supported

#### System Memory

Two DDR2 sockets support up to 2GB DDR SDRAM  
PC400/533 DDR SDRAM

#### Integrated VGA

Intel® 915GM integrated VGA for CRT interface  
Supports DVMT 3.0 for memory allocation

#### LVDS

Intel® 915GM integrated for 18-bit dual channel LVDS

#### Dual Display

Supports VGA & LVDS dual display via jumper selection

#### Primary LAN

ICH6M integrated 10/100 BaseT Ethernet

#### Secondary LAN (optional)

Marvell 88E8053 PCI Express Gigabit Ethernet

#### Audio

ICH6M integrated audio with AC97 codec

#### LPC I/O

Winbond W83627EHF chipset

Supports 2x RS-232, 1x FDD, 1x LPT, 1x KB, 1x Mouse

#### IDE Interface

Built in ICH6M; One enhanced IDE channel supports 2 IDE devices; supports UDMA33/66/100

#### FDD Interface

34-pin pin header

#### Parallel Port

#### USB

Pin header supports 6 USB ports, USB 2.0 compliant

#### IrDA

Pin header

#### Keyboard and Mouse Connector

PS/2 type

#### Watchdog Timer

Generates system reset; 256 levels

#### Hardware Monitoring

Built in W83627EHF; monitors system/CPU temperature and voltage status

#### Digital I/O

4 in / 4 out

#### Edge Connectors

VGA CRT, PS/2 KB/Mouse Mini DIN, two RJ-45

#### Onboard Connectors/Headers

40-pin box header for IDE

34-pin box header for FDD

26-pin box header for parallel port

10-pin box header for COM1 and COM2

Pin header for 6 USB ports

SATA connectors for 2 SATA ports

#### Form Factor

Full Size CPU Card

#### Dimensions

338mm x 126mm

#### Environmental Factors:

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)

One parallel port supports SPP/EPP/ECP

**Serial Ports**

Two RS-232

**Serial ATA**

Supports 2 ports

**Ordering Information:**

**IB868** - Socket 479 Intel® 915GM PICMG 1.3 SHB Express Full size CPU card with 10/100 LAN

**IB868F** - Socket 479 Intel® 915GM PICMG 1.3 SHB Express Full size CPU card with 10/100 & Gigabit LAN

**IP380** - Backplane for PICMG 1.3 CPU card with 3x PCI-E (x1), 1x PCI-E (x16), 4x PCI slots

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