

IB890
Intel® 855GME Pentium® M Half Size PISA CPU Card
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FEATURES

- Supports Pentium® M / Celeron® M processors
- Up to 2.0GHz, 400MHz FSB
- DDR DIMM x 1, max. 1GB
- Integrated VGA, shared memory, CRT/LVDS
- Integrated 10/100 BaseT Ethernet
- Watchdog timer, Digital I/O, PCI to ISA bridge
- Type 2 CF socket, Mini PCI slot
- 3 x USB 2.0, 4 x serial ports

IB890 SPECIFICATIONS

CPU Socket

Socket 479

CPU

Intel® Pentium® M, Celeron® M processor, up to 2.0GHz

Chipset

Intel® 855GME Chipset:

GMCH: 82855GME 732-pin mFCBGA

ICH4: 82801DB 421-pin BGA

FWH

Processor Side Bus Frequency

400MHz

L2 Cache

1MB (CPU integrated)

BIOS

Award BIOS, ACPI supported

System Memory

One DDR DIMM socket

Supports up to 1GB DDR 200/266/333 SDRAM

VGA

Intel® 82855GME built-in Intel® extreme Graphics

Intel® Dynamic Video Memory up to 64MB shared with system

LVDS support with resolution up to 1600x1200, 24bit, 2 DF13-20

LVDS connectors

LAN

ICH4 integrated LAN controller (10/100Mb) + PHY 82562EZ

Audio

ICH4 built-in audio controller + AC97 Codec

LPC I/O

Winbond W83627HF

Parallel x1, COM1, COM2 (RS-232), FDC 1.44MB (Slim), IrDA, hardware monitor (3 thermal inputs, 6 voltage monitor inputs, 1 chassis open detection, 3 fan headers)

Secondary I/O

Fintek F81216D: COM3 & COM4 (RS-232)

IDE Interface

Two channels; supports Ultra DMA 33/66/100

40-pin box-header x 1 (IDE1), 44-pin box-header x 1 (IDE2)

FDD Interface

1 slim-type FDD connector

Watchdog Timer

Generates system reset; 256 levels

USB

Supports 3 USB 2.0 ports

IrDA

Pin header

Keyboard and Mouse Connector

PS/2 type, combo connector

Expansion Slots

Mini PCI slot

SSD

Type 2 Compact Flash socket

Edge Connectors

KB/Mouse Connector

USB Connector

VGA CRT Connector

RJ45 Connector

Power Connector

AT and ATX power connector

Form Factor

PISA Half Size CPU Card

Dimensions

186mm x 129mm

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)