IB930

Socket 479 Intel® Core™ 2 Duo Half Size PISA CPU Card

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

RoHS Compliant

FEATURES

- Supports Intel® **Core™ 2 Duo** /Core™ Duo/Solo
- Supports up to 2.33GHz, 533MHz/667MHz FSB
- One DDR2 DIMM with 2GB capacity
- Integrated VGA with shared memory. Supports CRT/LVDS
- Marvell PCI-Express Gigabit LAN
- Watchdog timer, Digital I/O, PCI to ISA bridge
- Type 2 CF socket on board, Mini PCI slot
- 2x SATA, 5x USB (2.0) ports support, 4x serial ports

IB930 SPECIFICATIONS

CPU Socket
Socket 479

CPU
Supports Intel® **Core™ 2 Duo** /Core™ Duo /Solo processors
Up to 2.33GHz

CPU Front Side Bus (FSB)
533Hz / 667MHz

Chipset
Intel® 945GM chipset
ICH7M

BIOS
Award BIOS, ACPI supported

System Memory
One DDR2 socket supports up to 2GB DDR SDRAM
PC400/533/667 DDR SDRAM

Integrated VGA
Intel® 945GM integrated VGA for CRT
Supports DVMT 3.0 for memory allocation

LVDS
Chrontel CH7308B on board supports 18 or 24-bit single/dual channel LVDS

LAN
Marvell 88E8053 PCI Express Gigabit LAN controller
RJ-45 connector on bracket

Audio
ICH7M Built-in Audio controller + AC97 Codec
ALC655 w/ 6 channels (Line-out, Line-in, Mic.)

Multi I/O
ICH7M, Winbond W83627EHF, Fintek F81216
Supports 1x IDE, 2x SATA, **4x COM (**COM2 (RS232/RS422/RS485), 1x FDD, 1x KB, 1x Mouse

IDE Interface
Built in ICH7M; One enhanced IDE channel supports

Serial ATA
ICH7M built-in SATA controller, supports 2 ports

USB (2.0)
ICH7M built-in USB 2.0 host controller, support 5 ports

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

PCI to ISA
ITE8888G FTBGA (no ISA master)

Expansion Slot
Mini PCI socket

Edge Connectors (on bracket)
PS/2 for keyboard/mouse, USB, VGA CRT, RJ-45
SPDIF, four USB, RCA, S-Video, COM1

Onboard Connectors/Headers
IDE1, CF socket, parallel port, COM1, USB x 4, LVDS, audio, slim FDD, IrDA, 2x SATA, Digital I/O

Form Factor
Half Size CPU Card

Dimensions

2 IDE devices; supports UDMA33/66/100
Supports CF socket
FDD Interface
Onboard slim FDD connector
Serial Ports
Four serial ports ports

186mm by 129mm

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)

Ordering Information:

IB930-R - Socket 479 Intel® 945GM **Core™ 2 Duo** Core Half size PISA CPU card with VGA, Gigabit LAN, 4x COM, CF, Mini PCI

PACKING LIST:
1 x Driver CD
1 x User's Manual
1 x Serial port
1 x Serial ATA
1 x IDE Ribbon Cable (40-pin)
1 x Audio cable
1 x PS2 keyboard/mouse cable