IB850

Intel® Pentium® 4 processor 875P Full Size CPU Card with MicroAGP

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Datasheet in PDF

RoHS Compliant

FEATURES
- Supports up to 3.2GHz Intel® P4 Processors
- Intel® 875P chipset with 800MHz FSB
- Supports various **MicroAGP** VGA cards
- DDR400, supports dual channel, ECC function
- Supports two Serial ATA channels
- PCI to ISA bridge, ISA high drive
- Watchdog timer, 4 USB ports (2.0), IrDA

IB850 SPECIFICATIONS

CPU Socket
Socket 478

CPU
Intel® Pentium® 4 processor with Hyper Threading Technology 2.0GHz ~ 3.2GHz+

CPU Front Side Bus
800MHz/533MHz/400MHz

Chipset
Intel® 875P chipset

L2 Cache
256K/512K/1M, CPU integrated

BIOS
Award BIOS, ACPI supported

System Memory
Two sockets supports up to 2GB DDR266/333/400 memory
Supports dual channel, ECC function

MicroAGP VGA
1. ATI Mobility M9 VGA, 64MB frame buffer (DDR) via IBA110-64, supports CRT, LVDS, TV-out, 2nd CRT
2. ATI Mobility M10 VGA, AGP8X, 64MB frame buffer (DDR) via IBA110-64A, supports CRT, LVDS, TV-out, 2nd CRT

Primary LAN
Intel® 82551QM 10/100Mb Ethernet controller

Secondary LAN (optional)
Intel® 82547GI Gigabit Ethernet controller

Audio
ICH5R integrated audio with AC97 codec, ALC650
Supports 5.1 channel

LPC I/O
Winbond 83627HF LPC I/O supports IrDA, LPT, Com1 (RS232), COM2 (RS232/422/485), FDC and hardware monitoring

IDE Interface
ICH5R built-in IDE1, IDE2 (Ultra DMA 33//66/100)

FDD Interface
Supports up to two floppy disk drives: 3.5" and/or 5.25" drives; 3 Mode support

Parallel Port
One parallel port supports SPP/EPP/ECP

Serial Ports
One RS-232/422/485 and one RS-232 port

Serial ATA
Two SATA ports

Watchdog Timer
Generates system reset; 256 levels

Solid State Disk Interface
DiskOnChip socket, supports up to 288MB

Hardware Monitoring
Built in W83627HF; monitors system/CPU temperature and voltage status

USB
Supports 4 USB ports, USB 2.0 compliant

IrDA
Pin header

Keyboard and Mouse Connector
PS/2 type

Extra Features
ISA High Drive
PCI to ISA Bridge (ITE 8888)
One **MicroAGP** socket
ATX 12V power connector

Power Consumption
Intel® Pentium® 4 processor 2.2GHz/FSB 533MHz with 256MB DDR SDRAM
+5V: 4.93V +12V: 4.46V
Intel® Pentium® 4 processor 3GHz/FSB 800MHz with 256MB DDR SDRAM
+5V: 5.17V +12V: 6.17V

Form Factor
Full Size CPU Card

Dimensions
338mm x 122mm (13.3" x 4.8")

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)