

High-End, Intel Xeon Full-Size Single Board Computer



IB-900 Single Board Computer for Xeon with VGA & Dual Gigabit LAN



VGA

Supports x72 ECC registered DIMMs
ATI M6 VGA controller

LAN

8 MB embedded VGA memory
Supports CRT, LVDS (24-bit) interface
Intel 82546EB dual port gigabit ethernet
Controller PCI-X 1.0a compliant bus
supports 133 MHz.

LPC I/O

Winbond 83627HF supports parallel port,
COM1 (RS232), COM2 (RS232/422/
485) serial ports, FDD controller,
hardware monitoring

IDE Interface

Chipset built-in; two enhanced IDE
supports 4 IDE devices including
UDMA33/66/100, PIO mode 4 and bus
master

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

Watchdog Timer

Generates system reset; 256 levels

USB

Four USB ports, USB 1.1 compliant

Keyboard/Mouse

PS/2 type connectors

ISA High Drive

Winbond W83628, W83629 PCI to ISA
Bridge Chip

Power Connector

ATX 12V power connector

Form Factor

Full size CPU Card

Dimensions

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

Operating Temp

0°C~60°C (32°F~140°F)

Storage Temp

-20°C~80°C (-68°F~176°F)

Relative Humidity

10%~90% (non-condensing)

All specifications are subject to change without notice.

FEATURES

- Supports Intel Xeon processors
- Supports Intel E7500/E7501 chipset
- Hyper-threading technology
- NetBurst microarchitechure
- Two 184-pin DDR sockets for up to 4 GB memory
- ATI M6 VGA controller, 8 MB embedded memory
- Dual Intel 82546EB gigabit ethernet controller
- Watchdog timer, ISA high drive

SPECIFICATIONS

CPU Socket	mPGA604 ZIF socket
CPU	Intel Xeon CPU, 1.8 GHz ~ 2.8 GHz+
Chipset	Intel E7500 or E7501 chipset <ul style="list-style-type: none"> • E7500/E7501 memory controller hub • 82801CA integrated controller hub • 82870P2 64-bit PCI/PCI-X controller
Bus Frequency	System Bus: 400 MHz (E7500 chipset) System Bus: 533 MHz (E7501 chipset) Hub Link 2.0 PCI-X (on board): 64-bit/133 MHz PCI : 32-bit/33 MHz or 64-bit/66 MHz ISA : 16-bit/8 MHz
L2 Cache	512K, CPU integrated
BIOS	Award BIOS, 4M FWH
System Memory	Two 184-pin DDR memory slots Up to 4 GB memory capacity PC200 (E7500) / PC266 (E7501) support One 144-bit wide DDR memory port

