



PA – 845E
Offers Best Price/ Performance P4
CPU for Server

Version:1.1

Processors

- ❖ mPGA478 Socket
- ❖ Supports up to Pentium 4 processors
- ❖ On-board VRM 9.1,ICC
- ❖ Front-Side Bus support for 400MHz and 533 MHz

Chipset

- ❖ Intel i845E MCH memory controller Hub.
- ❖ Intel ICH4 I/O controller Hub.
- ❖ NS PC87360 super I/O

Expansion Slots

- ❖ Five 32bits PCI bus master slots, PCI 2.2 compliant.
- ❖ Supports PCMCIA card (Signal SERIRQ# to one PCI slot pin A11 by header option) (option)

Hardware Monitoring

- ❖ Winbond W83791D hardware monitoring chip
- ❖ Five 3-pin Fan monitoring headers
- ❖ CPU Thermal and Voltage monitoring
- ❖ 2-pin Chassis Intrusion headers

Memory

- ❖ Two 184-pin DDR DIMM sockets
- ❖ Supports up to 2GB memory
- ❖ Supports ECC memory modules.

Integrated PCI IDE

- ❖ Dual channel master mode
- ❖ Supports for UDMA 33/66/100 IDE drives and ATAPI compliant devices

Integrated I/O

- ❖ One Floppy connector for up to two drives.
- ❖ One D-Sub serial port
- ❖ One Serial port support pin header
- ❖ PS/2 Keyboard and Mouse
- ❖ One parallel port supports SPP/EPP/ECP
- ❖ Six USB2.0 Ports (Two Stacked USB , Four 5-pin headers)

On board ATI 2D/3D Graphics

- ❖ ATI Rage XL Graphics
- ❖ 8MB Frame Buffer

Integrated Dual LAN Controllers (option)

- ❖ One ICH4 integrated Ethernet controller , 10/100Mbps data transfer rate per controller
- ❖ Co-exist either 10/100 MB on Intel 82551 or [10M/100M/1GB Intel Kenai-32 LAN controller](#) (assemble option)

Integrated Serial ATA RAID (Option)

- ❖ Silicon Image SiI3112A Serial-ATA RAID chipset
- ❖ Dual channel Serial-ATA ports (2X).
- ❖ Supports PIO and DMA modes
- ❖ Supports busmaster DMA at 1.5 Gbps (150MB/s) burst rate
- ❖ Supports HDD RAID functionality (RAID 0, 1)
- ❖ Supports operating system : Windows XP, Win2000, Linux.
- ❖ Supports bootable disk
- ❖ Supports “Hot-swap”

BIOS

- ❖ AMI BIOS
- ❖ 4M Firmware Hub
- ❖ Auto detection of memory size
- ❖ Auto configuration of IDE hard disk types
- ❖ User settings of hardware monitoring
- ❖ Multiple boot options
- ❖ DMI 2.0 compliant
- ❖ Support IPMI 1.5

Form Factor

- ❖ Board size is 12 x 9.6 inches
- ❖ ATX12V power connector
- ❖ Stacked Mouse / Keyboard ports
- ❖ Stacked (2X) USB
- ❖ Two RJ-45 LAN ports (2X) with LED (option)
- ❖ Stacked Serial/Video and one Parallel connectors

Extra Features

- ❖ 3-pin Wake on LAN header
- ❖ RTC alarm