

F845E Pentium 4 Motherboard

Picture N/A

Key Features

ATX form factor

Intel 845E+ICH4 Chipset

Support Intel P4 processor with 533MHZ system bus

Support maximum 2GB DDR266 SDRAM with 2 DIMMs

Support one 1.5V AGP 2X/4X slot

Support 6 PCI slots and 1 CNR slot

Support 6 USB 2.0 ports

Realtek 8100B LAN on board option

CPU

-Supports Intel? Pentium? 4 processor in 478 pin package.

-Supports 1.5GHz, 1.6GHz, 1.7GHz, 1.8GHz, 1.9GHz, 2GHz, 2.1GHz, 2.2GHz and up.

Chipset

Intel? 845E (593 FC-BGA) Chipset

- Supports DDR SDRAM at 200/266MHz operation (DDR200/DDR266).

- AGTL+ host bus with integrated termination supporting 32-bit host addressing.

- 1.5V AGP interface with 4x data transfer and 4x fast write capability.

- 8-bit, 66MHz 4x hub interface to the Intel ICH4.

Intel? ICH4 (421EBGA) Chipset

- Upstream hub interface for access to the Intel MCH.

- 2-channel Ultra ATA/100 Bus Master IDE controller.

- USB 2.0 controllers with four ports on board (expanded capabilities for 6 ports).

- I/O APIC.

- SMBus controller.

- FWH interface.

- LPC interface.

- AC'97 2.2 interface.

- PCI 2.2 interface.

- Integrated system management controller.

FSB

- Support 133MHz FSB

- Support 533MHz Intel NetBurst micro-architecture bus.

Main Memory

- Supports four memory banks 184-pin 2 DDR DIMMs.

- Supports up to 2GB PC2100/PC1600 DDR SDRAMs.

- Supports 2.5v DDR SDRAM.

Slots

- One AGP (Accelerated Graphics Port) 4x slot (1.5V only).

- Six PCI 2.2 32-bit Master PCI bus slots (support 3.3V/5V PCI bus interface).

(If there is LAN onboard, PCI 6 does not support bus master mode)

- One CNR (Communication Network Riser) slot.

NOTE : If plugging in 3.3v AGP card system won't be powered on.

On-Board IDE

- An IDE controller on the ICH4 chipset provides IDE HDD/CD-ROM with PIO, Bus Master and Ultra DMA66/100 operation modes.

- Can connect up to four IDE devices.

Audio

AC-97 2.2 Codec on board

On-Board Peripherals

On-Board Peripherals include:

- 1 floppy port supports 2 FDDs with 360K, 720K, 1.2M, 1.44M and 2.88Mbytes.

- 2 serial ports (COM A + COM B).

- 1 parallel port supports SPP/EPP/ECP mode.

- 1 IrDA connector for SIR/ASKIR/HPSIR.

- 1 audio

- - extendable game port.

- 6 USB 2.0 ports(4 on board, 2 extendable)

BIOS

- The mainboard BIOS provides "Plug & Play" BIOS which detects the peripheral devices and expansion cards of the board automatically.

Dimension

30.5 cm(L) x 22 cm(W) ATX Form Factor

Special Options

Realtek 8100B on board option

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