Firstech Technology CO., LTD

F845PE

Key Features

- **ATX form factor**
- **Intel 845PE+ICH4**
- **Support Intel P4 processor with 533MHZ system bus**
- **Support maximum 2GB DDR266/DDR333 SDRAM with 2 DIMMs**
- **Support one 15 pins VGA port for integrated graphics**
- **Support one 1.5V AGP 2X/4X slot for AGP card add on**
- **Support 6 PCI slots**
- **Support 6 USB 2.0 ports**
- **Realtek 8100B LAN on board option**
- **Support AC-97 Audio (6-Channel; 5.1 speaker)**

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® 845PE (760 FCBGA) Chipset
- Supports DDR SDRAM at 266/333 MHz operation (DDR266/DDR333).
- 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.
- 2 USB 2.0 controllers 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 100/133MHz FSB
- Support 400/533MHz Intel NetBurst micro-architecture bus.

Main Memory
- Supports four memory banks 184-pin 2 DDR DIMMs.
- Supports up to 2GB PC2100/PC2700 DDR(DDR266/333) 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 3V, 5V PCI bus interface).

  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
Integarted AC'97 Audio Chipset
 - Direct Sound AC'97 Audio.
 - Support 6 Channel.

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 (COM1 & COM2).
- 1 parallel port supports SPP/EPP/ECP mode.
- 1 IrDA head for SIR/ASKIR/HPSIR.
- 1 audio jack
- 1 extend game port.
- 6 USB 2.0 ports(4 on board, 2 extend)
- 1 RJ45 LAN port(only for LAN on board request)

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 24.5 cm(W) ATX Form Factor

Special Options
Realtek 8100B LAN on board option