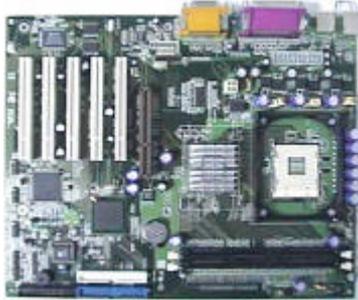


PFM-12I-F

Intel 845PE Socket 478 ATX Motherboard

PFM-12I-F is a high-performance green Intel Pentium 4 motherboard. The system core logic is based on Intel 82845PE Chipsets. It is integrated with Realtek ALC650 AC' 97 Codec and NEC 1394a Host Controller.



SPECIFICATION

CPU:

- Support Intel Socket 478 Pentium 4 processor
- Support Intel Socket 478 Celeron processor
- 400/533MHz Intel NetBurst micro-architecture bus

Chipset:

- Intel 82845PE + ICH4 chipsets
- Winbond W83627HF LPC Controller
- Realtek ALC650 AC' 97 Codec
- NEC uPD72873GC 1394a Host Controller

Architecture:

- IBM PC and PCI 2.1/2.2 compatible
- AGP4X support - high performance, quality 3D accelerator by eliminating the 3D bottlenecks with direct access to system memory. Max. Bandwidth 1GB/sec

Main Memory:

- Two 184-pin DDR DIMM sockets
- Support DDR 200/266/333 SDRAM up to 2GB

Audio:

- AC-Link with AC' 97 2.2 compliant
- S/W Audio with Realtek ALC650 AC97 codec
- Support 5.1 speakers and DirectSound 3D

System BIOS:

- Award BIOS with 2MB/4MB Firmware hub
- ACPI/PnP supported

USB 2.0 (ICH4):

- Integrated USB 2.0 controller in ICH4
- Support Hi-speed, Full-speed and Low-speed data transfer rate. Max. Bandwidth 480Mbits/s

1394:

- Integrated NEC 1394a Host controller
- Compliant IEEE 1394 OHCI specification Rev. 1.1
- Data transfer rate can be 100/200/400Mbps

I/O Interface (ICH4):

- Two enhanced PCI IDE channels which support up to 4 IDE devices with ATA-100 transfers up to 100MB/sec
- Double Deck downstream USB 2.0 ports
- Two 2X5 pin header consist of four USB 2.0 ports
- Line-in, MIC-in, Speaker-out and Game Port

I/O Interface:

- Two COM ports & One Printer port
- One FDC supports 1.2M/1.44M/2.88M FDD
- PS/2 mouse and keyboard connectors
- IrDA 1.0/FIR supported
- One 2X5 pin header consist of two 1394 ports, provide two 1394 ports board with the bracket.

Other Features

- Support Wake-On-LAN (WOL)
- Suspend-To-RAM (STR)
- Supports Internal / External Modem Ring On
- ACPI/PC99 compatible

Expansion Slots:

- 5 PCI slots
- 1 AGP4X slot

Form Factor:

- ATX @ 305 mm × 235 mm, 4 Layers