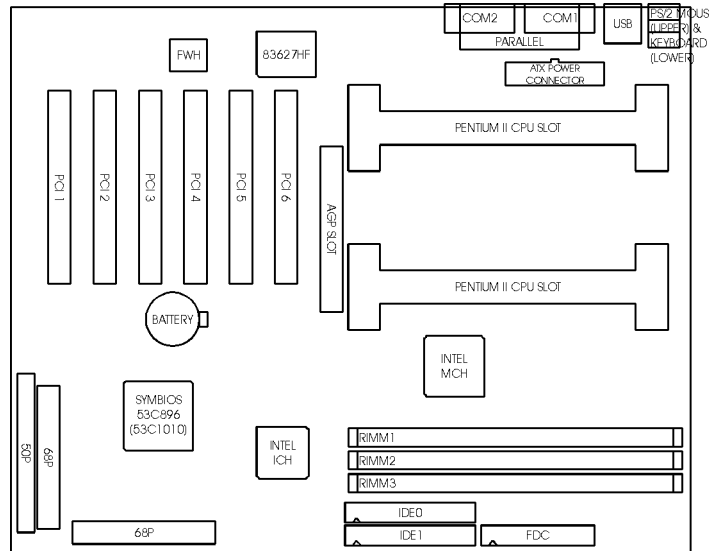**dtk** *DTK COMPUTER*

PRM-88I
Dual Pentium II/III Intel 820 PCI/AGP ATX Motherboard

PRM-88I is a high-end green Dual Pentium II/III AGP motherboard with on board LPC I/O and built-in Ultra Wide SCSI Port/Fast SCSI Connector. The system core logic is Intel 820 chipset designed to support the RAMBUS and AGP interface. The LPC Ultra I/O chip use W83627HF chip which support 2 fast serial (16550) ports and fast IR, 1 EPP/ECP parallel port and 1 FDD controller. The on board SCSI use Symbios 53C896 Dual Ultra II or 53C1010 Dual Ultra III chipset.

SPECIFICATION

CPU Slot:
- Dual Intel Pentium II/III series

CPU Speed:
- 233-550MHz

Chipset:
- Intel 820 chipset
- Winbond W83627HF
- Symbios 53C896 Dual Ultra II or 53C1010 Dual Ultra III

Architecture:
- PCI 2.1 compatible
- AGP support – 4x sideband addressing, provide high performance and quality 3D accelerator solution. Max. bandwidth 1GB/sec.
- 133MHz Front Side Bus

Main Memory:
- Three RIMM sockets
- RIMM Type – 64/128/256Mbit device technology and maximum 32 devices support
- Maximum Size – 3GB
- Configurable optional ECC operation

PCI SCSI:
- On board Ultra II/III SCSI Port
- Symbios 53C896 Ultra II or 53C1010 Ultra III

CPU Voltage Regulator:
- Switch mode design for high current CPU

RELEASE 1.00

- Intel VRM 8.4 support

Power Management Features:
- True green functions: support SMM, SMI and CPU stop clock function
- ACPI/PC97 compatible
- H/W Monitoring: Fan state, CPU voltage, System Temp.
- LAN, Modem & Keyboard wakeup function

I/O Interface:
- Two fast serial ports (16550)
- One EPP/ECP parallel port
- Built-in FDC supports 1.2M/1.44M/2.88M FDD
- Two enhanced PCI IDE channels which support up to 4 IDE devices with PIO Mode 4 transfers up to 16.6MB/sec
- Support "Ultra DMA/66" transfers up to 66MB/sec
- PS/2 mouse and keyboard connectors
- Double Deck USB connectors
- IrDA / FIR support

System BIOS:
- Award BIOS with 2MB/4MB or 8MB Firmware Hub
- Build-in Trend™ ChipAway Anti-Virus program

Expansion Slots:
- 6 PCI bus master
- 1 32-bit AGP

Form Factor:
- 350mm (W) x 245mm(L) 4 Layer PCB