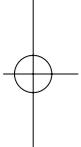
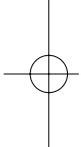


Overview

The new microATX, 478-pin 1stMainboard® supports a full range of the latest generation Intel® Pentium® 4 processors. The leading edge VIA® PM800/PT800CE chipset was designed for working with Pentium® 4 (3.4 GHz and up) in the 478-pin package based on the VRM 10.0 spec and 400/533/800 MHz. Built using the leading edge technology the Intel Pentium® 4 processors provide a significant performance over previous Pentium® III processors. Two DDR 266/333/400 SDRAM sockets allow for up to 2 GB memory capacity. Support for the Ultra DMA/133 protocol and its high-speed interface further ensures that data transfer speeds are improved, especially for long sequential transfers required by audio/visual applications.



The board features onboard audio and LAN function; also, the serial ATA feature replaces the standard parallel ATA physical storage interface and allows future enhancements to the computing platform. It completely software compatible with parallel ATA, requiring no modification to your operating system. For more detail, please read the help file in the 1st Utilities CD.

The 1stMainboard comes with a versatile range of I/O features such as 2 COM ports (chipset-PT800CE) / 1 COM port and 1 CRT port (chipset-PM800), 1 parallel port, 1 LAN, 2 optional IEEE 1394, 1 PS/2 mouse and keyboard connector, 8 USB 2.0 ports, 1 media connector (front audio, Line-in, Line-out and Mic-in). In addition, the board is equipped with 2 dual channel enhanced PCI bus master IDE connectors. Ample expansion is available through 1 AGP (8X) and 3 PCI slots to meet the requirement for enjoying the P4 CPU benefits in internet applications, video/3D graphics performance, and so forth.

Other key features are Remote On/Off, Auto Power Failure Recovery, integrated temperature monitoring and system fan control. Included also is 1st Utilities CD with enhanced drivers and a few bundled software solutions.

Package Checklist

If you discover any item below was damaged or lost, please contact your vendor.

Chapter 1
Overview



Mainboard



Floppy Drive
Cable



IDE Cable



USB Cable



SATA Power Cable (top)
SATA Data Cable (bottom)
(optional)



Manual



Drivers



1394 Bracket
with Cable
(optional)



I/O Shielding

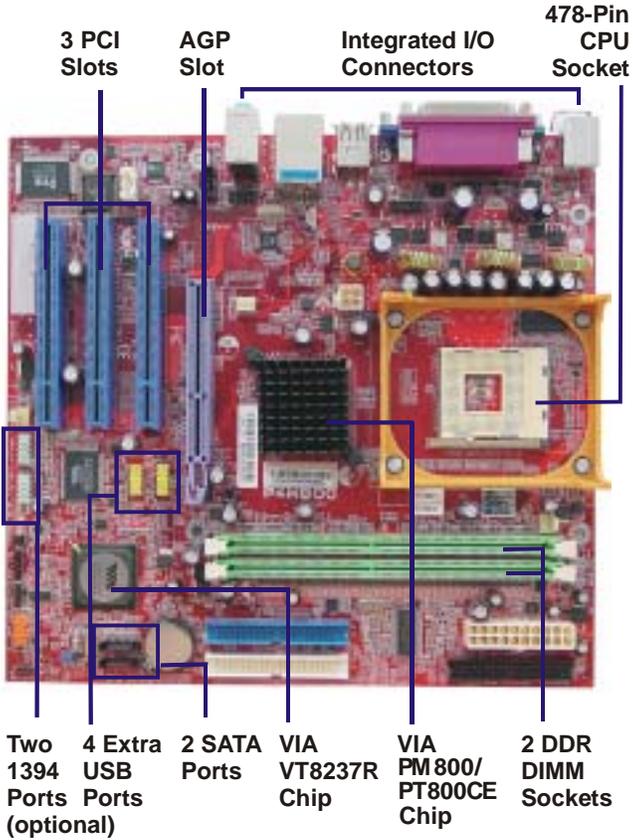


NOTE: A 1st Utilities CD, which contains patch files, onboard video/ audio chip drivers, related online help and other useful information, can be found in your mainboard package.

*Please install it immediately after your Windows operating system installation is complete. Place your 1st Utilities CD in the drive and an operating menu will appear on your monitor. Please select **Auto Installation**. It will automatically detect which software tools (patch files, drivers) the mainboard needs. Press **OK** to go through the whole installation procedure in a very straight forward and easy way. It will also provide you with a custom installation feature to select the patch files and software drivers you want for the onboard chip's use. **The top menu of the 1st Utilities CD lists all the functions that are allowed by this board.***

The P4M800 Mainboard

**Chapter 1
Overview**



Main Features

■ CPU

Celeron -

- 1.7 to 1.9GHz (FSB400)
- 2.0 to 2.8 GHz and up* (FSB400)
- Prescott 2.8 GHz and up* (FSB533)

Pentium 4 -

- 1.6 to 2.6 GHz and up* (FSB400)
- 2.26 to 3.06 GHz and up* (FSB533)
- 2.4 to 3.4 GHz and up* (FSB800)
- Prescott 2.4 to 2.8 GHz and up* (FSB 533)
- Prescott 2.8 to 3.4 GHz and up* (FSB 800)

(* not tested yet)

■ Chipset

- North Bridge: *VIA® PM800*
VIA® PT800CE
- South Bridge: *VIA® VT8237R*

■ Memory

- 2 Memory Sockets:
- Support 184-pin DDR 266/333/400 MHz
- total Memory Size up to 2 GBs

■ Expansion Slots

- 1 AGP Slot: Support 2.0 4X/8X (0.8 - 1.5V)
- 3 PCI Slots

■ IDE Connections

- 2 IDE Connectors - PIO Mode, Ultra DMA 66/100/133
- Up to 4 Devices

■ SATA Connections

- 2 Ports Controlled by embedded VT8237® SATA Function

■ **Audio Features**

ALC655 (5.1 Audio Channel)
AC97 2.3 compliant
LINE_IN, LINE_OUT, MICROPHONE_IN Jack
Front audio pinheaders
1 SPDIF OUT

■ **I/O Ports**

2 IDE connectors -
PIO, Bus Master, Ultra DMA 66/100/133
up to 4 devices
-1 serial port and 1 CRT port (chipset-PM800)
-2 serial port COM1/2 (chipset-PT800CE)
1 parallel port
1 PS/2 mouse and 1 PS/2 keyboard
8 USB 1.1/2.0 ports

■ **LAN**

VIA® VT6103L (10/100)

■ **IEEE 1394 Ports** (*optional*)

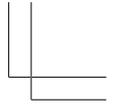
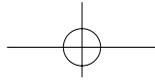
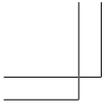
VIA® VT6307L
2 ports
1 bracket with cable

■ **Mounting Holes**

6 holes

■ **Mainboard Size**

9.0 x 9.6 (unit: inch)



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**Chapter 1
Overview**

