Overview

The new ATX, 478-pin 1stMainboard® supports a full range of the latest generation Intel® Pentium® 4 processors. The leading edge Intel® chipset was designed for coworking with Pentium® 4 (up to 3.06 GHz) 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. Four DDR 266/333/400 SDRAM sockets allow for up to 4 GB memory capacity. Support for the Ultra DMA/100 protocol and its high-speed interface further ensures that data transfer speeds are improved, especially for long sequential transfers required by audio/visual applications.
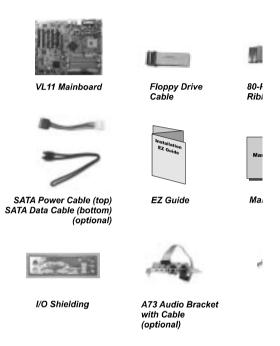
The board features onboard audio and LAN function; also, the optional serial ATA feature replaces the standard parallel ATA physical storage interface and allows future enhancements to the computing platform. It completely software compatible with parallel ATA, requiring no mofication to your operating system. The onboard serial ATA feature includes RAID function (level 0/1) to provide you with a more efficient storage backup. For more detail, please read the help file in the lst Utilities CD.

The 1stMainboard comes with a versatile range of I/O features such as 2 serial ports, 4 serial ATA ports (2 optional), 1 parallel port, 1 LAN, 2 optional IEEE 1394, 1 PS/2 mouse and keyboard connector, 8 USB ports, 1 media connector (front audio, Line-in, Line-out and Mic-in). In addition, the board is equipped with 2 dual channeled enhanced PCI bus master IDE connectors. Ample expansion is available through 5 PCI and 1 AGP to meet the requirement for enjoying the P4 CPU benefits in internet applicatons, 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 lst Utilities CD with enhanced drivers and a few bundled soft-ware solutions.

Package Checklist

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

VL11 Mainboard

Floppy Drive Cable

80-F Ribl

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

EZ Guide

Ma

I/O Shielding

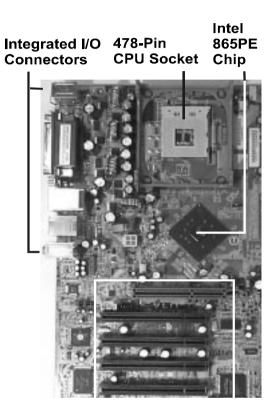*A73 Audio Bracket with Cable*
(optional)

NOTE: lst Utilities CD that 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 right after your Windows operating system installation is done.*Place your lst Utility in the drive, an operating menu will appears in your monitor. Please select *Auto Installation*. It will automatically detect which software tools (patch files, drivers) that the mainboard needs. Press **OK** button to go through the whole installation procedure in a very straight forward and easy way. It also provides you with a custom way to select wanted patch files and software drivers that for onboard chips use. **The top menu of lst Utilities lists all the functions that allowed by this board.**

P4-865PE MAX II
P4-865PE PRO II

Main Features

n **CPU**
   Celeron 1.4 G to 2.4 GHz and up* (FSB 400)
   2.0 to 2.8 GHz and up* (FSB 533) /
   3.06 GHz and up* (FSB 800)
   (*: not tested yet)

n **Chipset**
   North Bridge: *Intel® 865PE*
   South Bridge: *Intel® ICH5R*

n **Memory**
   4 memory sockets :
   support 184-pin DDR 266/333/400 MHz
   memory size totally up to 4 GHz

n **Expansion Slots**
   AGP Slot : support 2.0 4X/8X (0.8 - 1.5V);
   5 PCI Slots

n **IDE Connections**
   2 IDE connectors - PIO mode, Ultra DMA 66/100
   up to 4 devices

n **SATA Connections**
   2 ports controlled by embeded ICH5R® SATA function
   2 *optional* ports controlled by Silicon Image® Sil3112 SATA
   RAID functions (level 0/1)

n **Audio Features**
   AD1980 controller
   AC97 2.2 compliant
   LINE_IN, LINE_OUT, MICROPHONE_IN Jack
   5.1 audio channel
   A73 audio bracket with cable *(optional)*
   front audio pinheaders

n **I/O Ports**
2 IDE connectors -
PIO, Bus Master, Ultra DMA 66/100
up to 4 devices
2 serial ports COM1 and COM2
1 parallel port
PS/2 mouse and PS/2 keyboard
8 USB 1.1/2.0 ports

n **LAN**
Broadcom® 10/100/1000Mbps Ethernet

n **IEEE 1394 Ports** *(optional)*
Agere FW323
2 ports
1 bracket with cable

n **Mounting Holes**
9 holes

n **Mainboard Size**
12 x 9.6 (unit: inch)

FIC Unique Innovation for Users (NOVUS) -
Enhanced Mainboard Features and System Support

n LogoGenie

A user friendly GUI supporting Windows 95/98SE (not Windows 2000/NT/ME/XP), LogoGenie allows you to customize, create or select a Logo which will be displayed when the system is booting.

NOTE:
Please read Page 3-7 for detail information.

n BIOS Guardian

BIOS Guardian effectively acts as a fire-wall against viruses that can attack the BIOS while the system is running and by default is enabled.

WARNING:
BIOS Guardian must be disabled before reflash BIOS.

NOTE:
Please read Page 3-7 for detail information.

n Easy Key

Instead of completing the multi-layered BIOS setup process these 3 Easy Key functions provide direct access to Sub-Menu when completing BIOS settings adjustments.

Easy-Keys are as follows:

Ctrl + c: To enter clock settings menu.

Ctrl + p: To load Performance Default settings and restart.

Ctrl + f: To load Fail-Safe Default settings and restart.

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