

P6LX-B Mainboard Preliminary Guide

P6LX-B Mainboard

Preliminary Guide

This is a preliminary guide for product evaluation purposes. The full manual will be released later.

The standard P6LX-B package will include:

- P6LX-B mainboard
- 1 CPU Retention Module pack
- 1 Floppy controller ribbon cable; 1 IDE controller ribbon cable
- 1 PS/2 Mouse & Serial port Port Bracket; Parallel port and Serial port Port Bracket
- User's Manual
- Support Disk:
 - IDE Bus Master Drivers for Windows95, Windows 3.x, Windows NT 3.51 & 4.0
 - AGP Drivers
 - Optional LANDesk Configuration Manager software

Supported CPUs

This mainboard supports the Intel Pentium II CPU running at any of the following clock speeds:
233MHz, 266MHz, 300MHz, 333MHz

- Embedded L2 cache in CPU
- No-jumper CPU frequency settings (set in BIOS CMOS Setup Utility)

System Memory Specifications

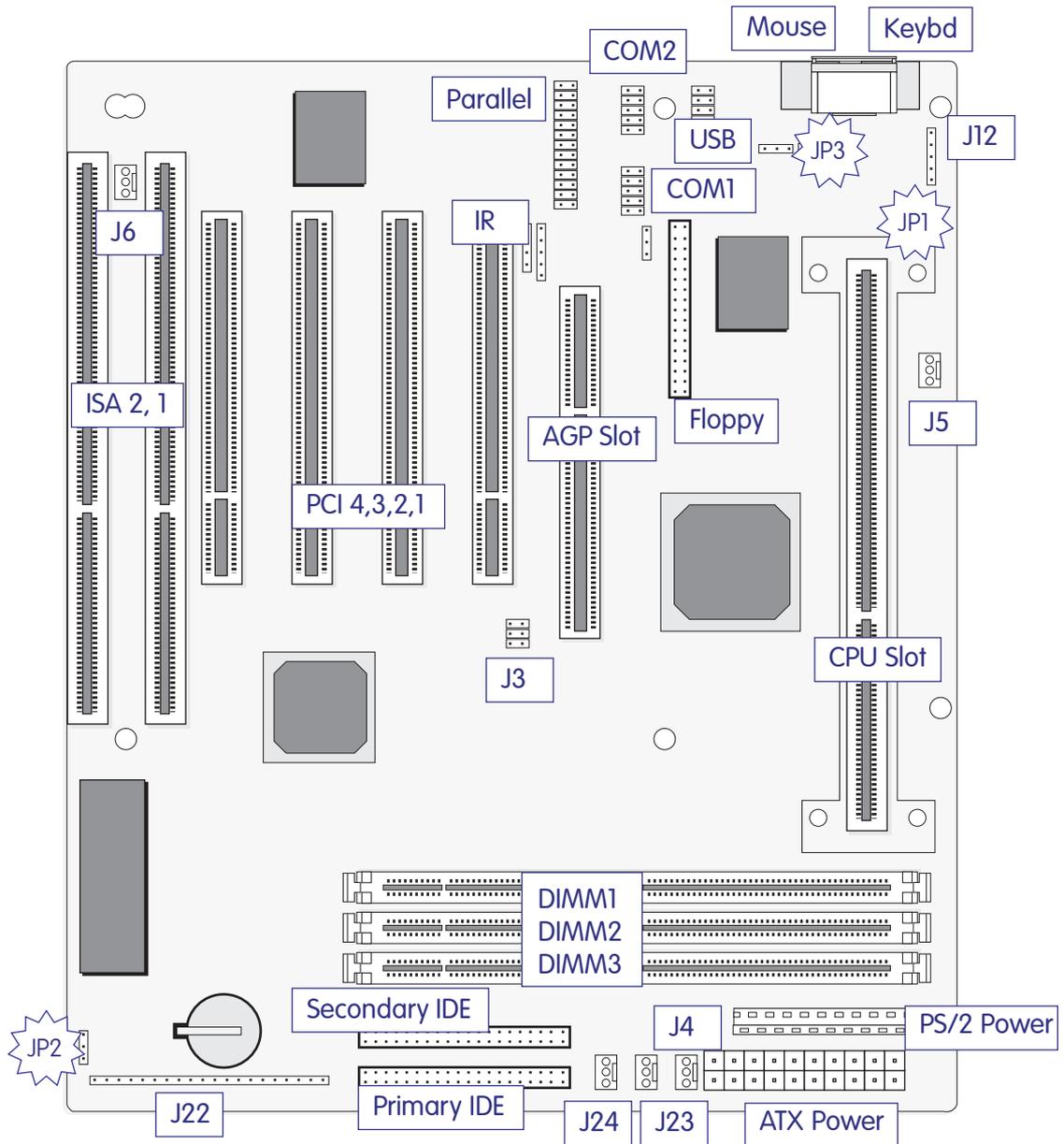
- Three DIMM sockets
- Uses 3.3Volt unbuffered EDO or SDRAM DIMM modules
- Any combination of specified modules allowed
- Supports ECC
- Maximum supported memory 384MB SDRAM or 768MB EDO

Expansion Slots

- 2 ISA slots (ISA1, ISA2)
- 4 PCI slots (PCI1, PCI2, PCI3, PCI4)
- 1 AGP (Accelerated Graphics Port) slot - 1X & 2X 3.3V devices supported
- PCI4 & ISA1 share external access position

P6LX-B Mainboard Preliminary Guide

P6LX-B Mainboard Layout



Note: Alternate model has onboard PS/2 mouse and keyboard connectors

P6LX-B Mainboard Preliminary Guide

Jumper Settings

Function	Jumper	Settings	
Clear CMOS	JP2	Clear	1-2*
		Normal	2-3
* Turn off power, put cap on jumper for a moment and then remove to clear current settings			
Keyboard & Mouse Voltage Selector	JP3	5VSB	1-2 (with K/1 wake-up chip installed)
		VCC	3-4

Note:

1. Clock Settings:

CPU External Clock speed and Internal Clock factor are set in the CMOS Setup Utility, not by jumpers.

2. CPU Status Detection:

The system automatically detects the CPU status at start-up and will display a message on-screen if the CPU has been removed or changed since the last shut-down.

3. Keyboard Power-On:

System will power-on via a key command or mouse movement or click*

* Requires K/1 wake-up chip and ATX power supply

P6LX-B Mainboard Preliminary Guide

Onboard Connectors

Name	Function	Description
J3	EMU	Connector for Creative Labs EMU8008
J4	PS Fan power	For ATX green power supply cooling fan power cable
J5	CPU Fan power	For power management-enabled CPU cooling fan power cable
J6	Case Fan power	For case-mounted cooling fan power cable
J7	Floppy Drive	34-pin connector connects to 2-device cable; End device is Drive A.; middle is Drive B:
J9	PS/2 Keyboard	Optional onboard PS/2 keyboard port
J10	AT Keyboard	AT keyboard connector (no PS/2 connectors onboard with this)
J11	PS/2 Mouse	Optional onboard PS/2 mouse port
J12	PS/2 Mouse	Header for external PS/2 mouse connector port bracket
J13	FIR header (optional)	Connects to optional Fast IR infrared module cable
J14	IR header	Connects to optional IrDA or ASKIR infrared module cable
J15	Parallel Port	Standard 25-pin parallel Printer port
J16	Serial Port One	Onboard 9-pin serial port is COM1, can be set to COM3
J17	Serial Port Two	Onboard 9-pin serial port is COM2, can be set to COM4
J18	USB	Dual external USB port connector for optional port bracket
J19	Primary IDE	40-pin connector connects to supplied 2-device cable; End device is Primary Master, middle is Slave
J20	Secondary IDE	40-pin connector connects to 2-device cable; End device is Secondary Master, middle is Slave
J21	Power	Standard 'PS/2' power supply connector
J22	Case Features	Connects to case features: Pins 1-3: Power On LED; 4-5: Suspend Switch; 6-8: Suspend LED; 9-10: Reset Switch; 11-12: Keyboard Lock; 13-16: Speaker; 17-18 HD LED; 19-20 Power On switch (ATX only)
J23	LAN Wake-up	LAN activity wake-up header (ATX power only)
J24	Modem Wake-up	Connects to internal modem for system wake-up on modem ring (ATX power only)
PS1	ATX Power	Optional ATX power supply connector

J22 Pin Assignments

Power LED	Reset	HDD LED
1 +	9 I	17 +
2 +	10 G	18 -
3 -	Keyboard Lock	Power On
Sleep	11 I	19 I
4 I	12 G	20 G
5 G	Speaker	
Green LED	13 P	
6 +	14 G	
7 +	15 G	
8 -	16 O	