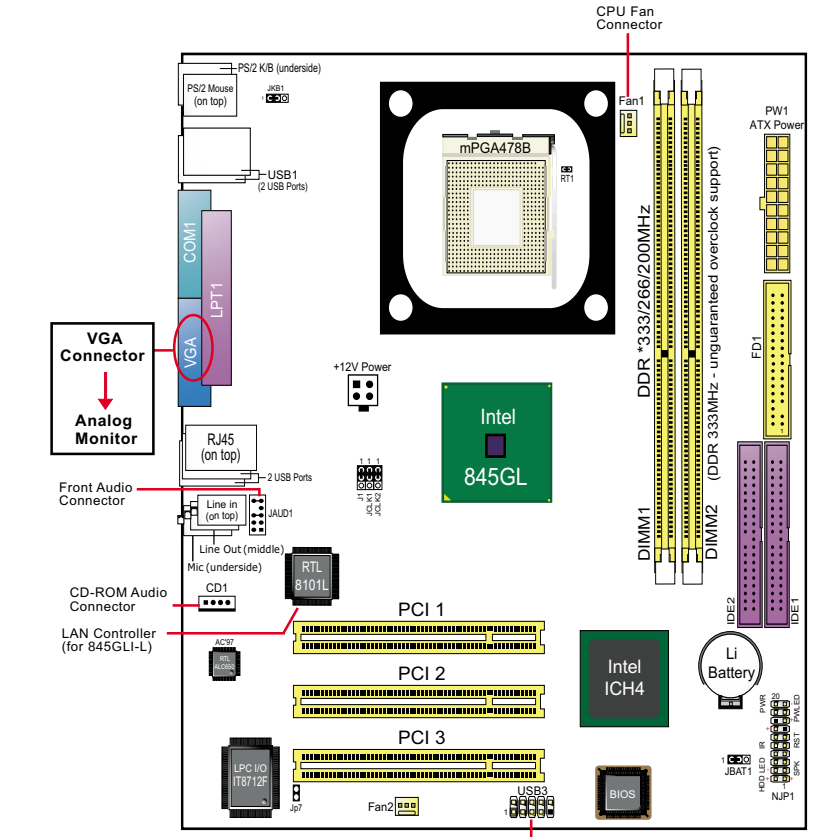
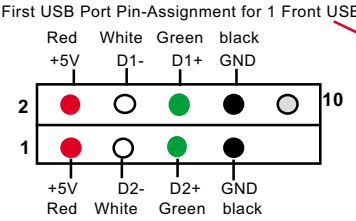
Chapter 1 Specification

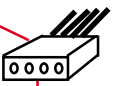
1-1 Mainboard Layout and Components Setup



For 845GLI-L only:
(1) LAN Controller
(2) RJ45
(3) J1 (to enable LAN controller)

Use a 4-pin connector to connect USB pin-header to 1 USB port





4-pin connector to support 1USB port only.

1-2 Mainboard Specification Table

SL-845GLI / 845GLI-L Specifications and Features		
CPU	Socket 478B for Intel P4 CPU (Hypere Threading and Prescott CPU included)	
North Bridge	Intel 845GLI, supporting 400/*533MHz FSB	
South Bridge	Intel ICH4	
BIOS	AMI BIOS	
Memory	Supporting DDR *333/266/200 DRAM, up to 2GB in two DDR DIMM slots	
I/O Chip	IT8712F	
Audio	AC'97 Audio V2.2 compliant, 6-channel audio	
IDE Interface	2 UATA 33/66/100 IDE ports	
Networking	Fast Ethernet Controller, 1 RJ45 (for 845GLI-L)	
PCI Slots	2 PCI Master slots on board	
I/O Connectors	6 USB ports , 1 FDD port, 1 COM port, 1 LPT, 1 IrDA, 1 PS/2 K/B, 1 PS/2 Mouse,	
VGA Display	1 VGA connector on board for CRT VGA display	
Other Features	Keyboard/ Mouse Power On/Wake Up ATX 2.03 Power Supply; Micro-ATX form factor	
Models / Optional Features	845GLI	845GLI-L
LAN Controller on board	No	Yes

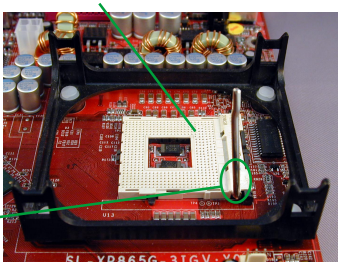
* FSB 533 and DDR 333 are unguaranted overclock support.

1-3 CPU and CPU Fan Installation with Socket 478B

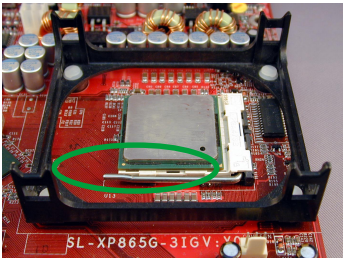
1-3.1 CPU Installation with Socket 478B

(1) Pentium 4 CPU

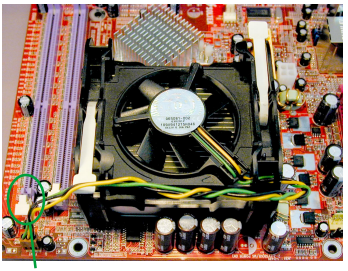
(2) Pull up the lever and insert P4 CPU into socket 478



(3) Pull down the lever to fix down CPU



(4) Load down the P4 CPU Fan into Fan base

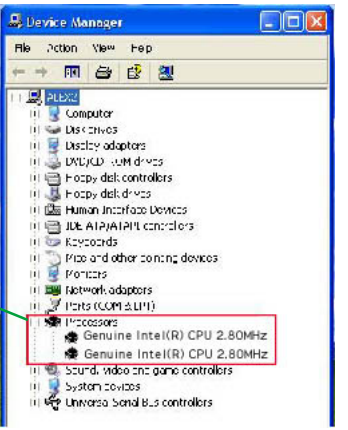


Connect Fan Power cable to onboard FAN connector

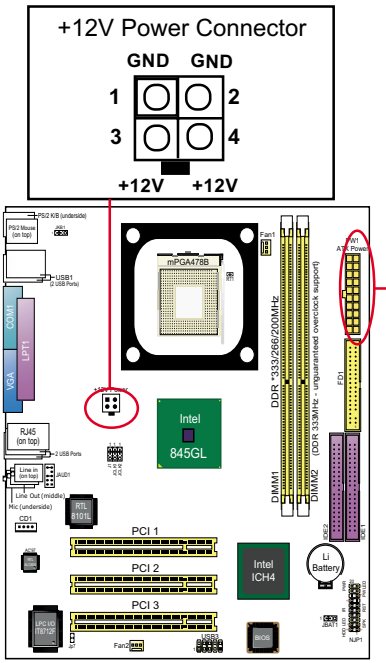
1-3.2 Hyper-threading CPU supported by Win XP

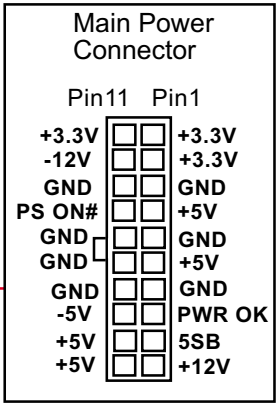
This mainboard supports Hyper-threading dual-in-one CPU, the function of which can be enabled by Windows XP. (See illustration on the right.)

(If Hyper-Threading CPU is installed successfully with Windows XP, the O/S will enable the dual-in-one CPU function.)



1-4 ATX V 2.03 Power Supply Installation

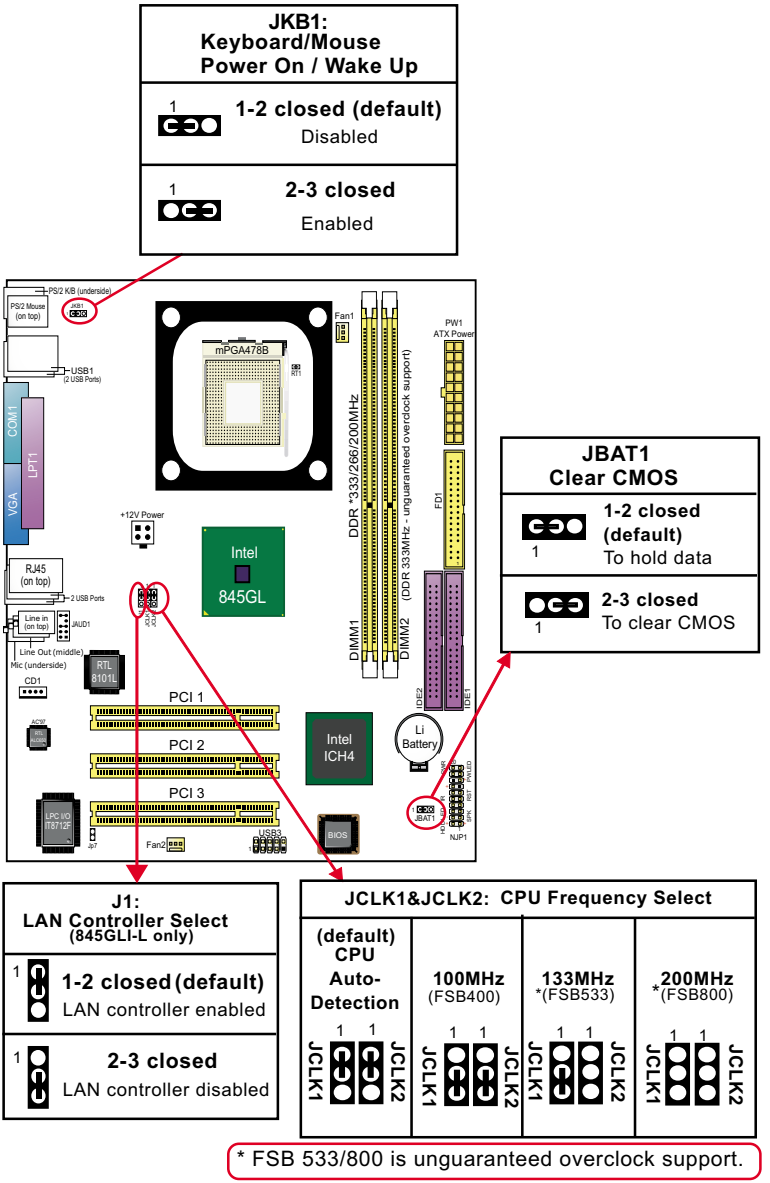




Warning: Both the Main Power Connector and the +12V Power Connector should be connected to Power Supply; otherwise, the system may either not start or be damaged.

1-5 Jumper Settings

The following diagrams show the locations and settings of jumper blocks on the mainboard.

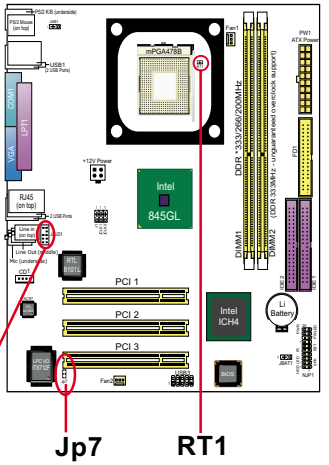


1-6 Other Connectors Setup

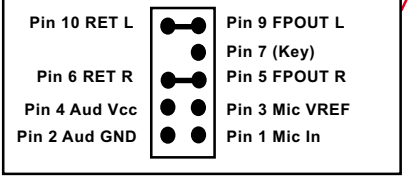
1-6.1 Front Audio Connector

This Mainboard is designed with a Front Panel Audio connector "JAUD1" which provides connection to your chassis.

1. When JAUD1 is set to 5-6 closed and 9-10 closed, this default setting disables this connector and leaves the Back Panel Audio enabled.
2. To use this Front Panel Audio Connector, please open all pins of JAUD1 and connect it to your chassis.



JAUD1: Front Panel Audio Connector

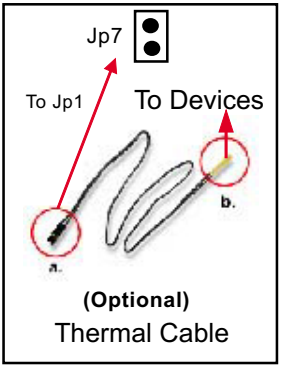


1-6.2 Thermal Resistor and Connector

1. Resistor RT1: A thermal resistor is mounted by default to connector RT1 so as to detect the external CPU temperature . What RT1 does is to transmit the thermal signal to Hardware Monitor.

RT1 is mounted with Thermal Resistor by default for detecting the external CPU temperature.

2. Connector Jp7: A thermal cable is needed to connect Jp7 to on-board devices such as HDD, Graphics card etc., so as to detect the temperature generated therein. Please connect the end (a) of the thermal cable to Jp7, and tape another end (b) of thermal cable on to the device which you want to monitor. After you have finished the thermal cable installation, you will **see the detected temperature in BIOS setup or Hardware Monitor utility.**



1-6.3 Complex Header (Front Panel Connectors)