ISZ

Intel® 815(Solano)

Jumperless PC133

AGP 4X Socket 370

Motherboard

USER'S MANUAL

Model	**:**	**ISZ**
Manual Version	**:**	**English, version 1.0**
Release Date	**:**	**June 29th, 2000**

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FCC & DOC Compliance

Federal communications Commission Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generatesm uses and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, whichcan be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning

The use of shielded cables for the connection of the monitor to the graphics card is required to assure compliance with FCC regulations changes or modifications to this authority to operate this equipment.

Chapter 1
Overview

Thanks for purchasing **EUPA ISZ Socket 370** motherboard. **ISZ** is based on Intel® 815 chipset -- 82815(Solano) & 82801AA(ICH) which was for Intel® P!!! (FC-PGA), Celeron™ (PPGA) & (FC-PGA), and VIA Cyrix ® III Socket 370 processors. The product integrates 2D/3D graphics accelerator. Also it supports AGP 2X/4X and 4M Frame Buffer on AIMM. It designs 2 DIMMs up to 512MB with PC 133 SDRAM. Also it employs AC ' 97 system, Ultra DMA 33/66 function and support Suspend To RAM (STR).This user's manual contains all the information and features that show you how to control **ISZ** motherboard. Please take a moment to familiarize yourself with the design and organization of this manual.

Check Your Items

This **ISZ** motherboard package contains the following items. Please inspect the package contents and confirm that everything is there. If anything is missing or damaged, call your vendor for instructions before operating.

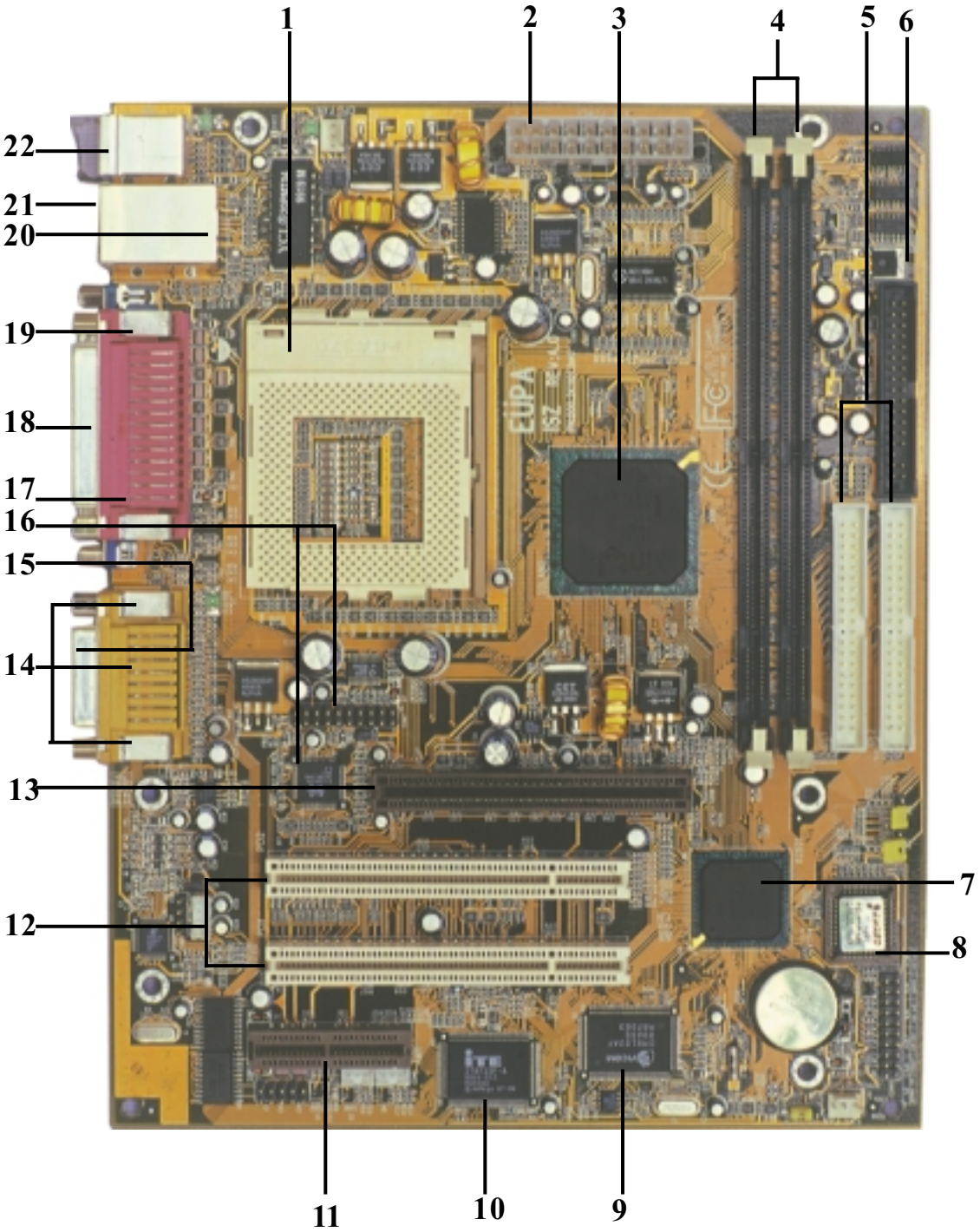
The Package includes:

- ☞ **One ISZ motherboard**
- ☞ **One Floppy Interface Cable**
- ☞ **One IDE Interface Cable**
- ☞ **One Motherboard Resource CD**
- ☞ **One User's Manual**

ISZSpecifications:

Form Factor	Micro-ATX
Board Size	24.4cm x 19.3cm
CPU	Supports Socket 370 Intel P!!! & Celeron(FC-PGA), Celeron(PPGA) and VIA Cyrix III CPUs Jumperfree, BIOS setup Mode Supports FSB 66/100/133MHz
System Memory	DIMM 168-pin x 2, SDRAM maximum 512MB with PC133
Chipset	Intel 82815 GMCH Intel 82801AA ICH Intel 82802AB FWH
Expansion Slot	2 PCI 1 AMR (for modem) 1 AGP 4X (or can plug 4M Frame Buffer card on AIMM)
Sound Function	ON board AC'97 system, Crystal4299 Audio Codec
Graphic	2D/3D graphic accelerator Built in 82815 GMCH AGP 4X
I/O Interface	2 USB Ports 1 Audio Port (MIDI / game port, Line-in, Line-out, Mic-in) 1 LAN Port (10M / 100M auto detect)--DAVICOM9102AF Chipset 1 PS/2 Mouse, 1 PS/2 Keyboard 1 VGA port 1 IrDA pinheader, 2 serial ports (1 pinheader)
Parallel Port	One parallel port supports: -SPP-standard parallel port -EPP-enhanced parallel port -ECP-extended capabilities port
Floppy Interface	Support drivers inches/format with: -3.5 inches-720KB/1.44MB/2.88MB -5.25 inches-360KB/1.2MB
IDE Interface	Two IDE Interface support 4 x IDE HDD or CDROM Support PIO Mode 4, ULTRA DMA/33 & ULTRA DMA/66
Fuse	Support Recoverable fuse for USB,KB & MOUSE
RTC and Battery	Built in ICH Lithium(CR-2032) battery
Power Connector	ATX
Other Key Feature	Monitor FAN speed, voltage and system environment temperature Suspend To RAM (STR) Wake on Modem / Wake on LAN
BIOS	Award Plug & Play BIOS support APM, DMI and ACPI ITE Hardware Monitor Supports virus warning Supports Flash / Upgrade BIOS functions
LED Indicator	System Power LED HDD activity LED

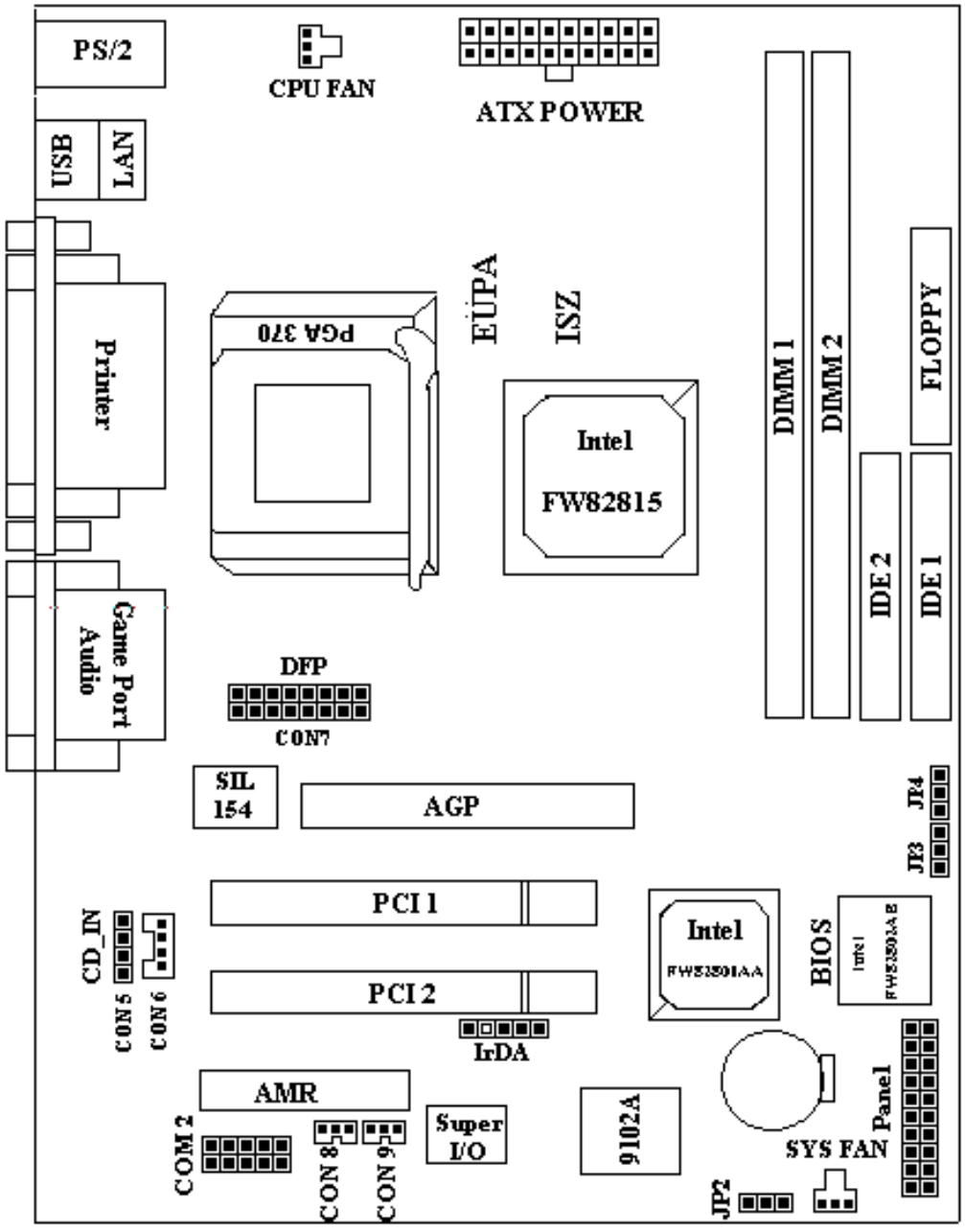
ISZ's Components:



Please refer to next two pages about each component, and this manual will explain every important one at the following chapter.

1. Socket 370 processors socket
2. ATX Power Port
3. Intel 82815 North Bridge
4. DIMM sockets
5. IDE Ports
6. Floppy Port
7. Intel 82801AA South Bridge
8. Intel 82802AB (BIOS)
9. DM9102A LAN Chip (optional)
10. IT8712F-A Super I/O
11. Audio Modem Riser Card (AMR) slot
12. Peripheral Component Interface (PCI) Slots
13. Accelerated Graphics Port (AGP) slot
14. Audio Port --Mic in(down), Line in(mid), Line out(up)
15. Joystick Game Port
16. Sli 154 DFP chipset & DFP (optional)
17. VGA Port
18. Printer Port
19. Serial Port (com1)
20. LAN Port (up)
21. USB devices ports (down)
22. PS/2 Keyboard (down) / Mouse (up)

Motherboard Layout:



Jumpers

1.	JP2	Clear CMOS
2.	JP3, JP4	Select CPU clock frequency

Expansion Slots

1.	AGP	AGP Expansion slot
2.	PCI slot1 to slot2	32-bit PCI Bus Expansion slots
3.	AMR	AMR Expansion Slot for MC97 Devices
4.	DIMM x 2	Support 168-pin DIMM Memory

Ports & Pinheaders

1.	IDE 1	Primary IDE Port
2.	IDE 2	Secondary IDE Port
3.	Floppy	Floppy Drive Port
4.	ATX Power	ATX Power Port
5.	COM1	Serial Port1
6.	COM2	Serial Port2 pinheader
7.	CPU FAN	CPU Fan pinheader
8.	SYS FAN	SYS Fan pinheader
9.	IrDA	Infrared ray Port pinheader
10.	CON5 / CON6	Audio CD-IN pinheader
11.	CON 8	LAN Wake Up pinheader
12.	CON 9	MODEM Wake Up pinheader
13.	Audio/Game Port	Audio / Game Port
14.	USB	Universal Serial Bus Port1 andPort2
15.	PS/2 Ports	PS/2 Mouse & Keyboard Ports
16.	Printer	Printer (Parallel) Port
17.	CON 7	DFP pinheader (optional)
18.	CON10--Panel	

- PWR LED ATX Power LED (3pins)
- SPEAKER Chassis Speaker (4pins)
- HDD LED HDD LED (2pins)
- RESET Reset Switch (2pins)
- PWR ON ATX Power Switch (2pins)

Chapter 2
Hardware Installation

This chapter gives you a step-by-step procedure on how to install your system and set jumper. The motherboard has several user-adjustable jumpers on the board that allow you to configure your system to suit your requirements.

Cautions!! Protecting Against Electrostatic Discharge

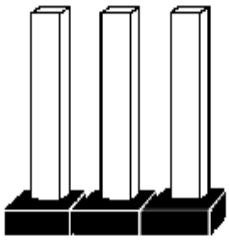
Static electricity can harm delicate components inside your system. To prevent static electricity damage, discharge static electricity from your body before you touch any of your motherboard electronic components, such as the microprocessor. Observe the following precautions:

- Do not removes the motherboard from its anti-static packaging until you are ready to install it into a computer case.
- Before you handle the motherboard in any way, touch a grounded, antistatic surface, such as an unpainted portion of the system chassis, for a few seconds to discharge any built-up static electricity.
- Handle add-in cards and modules by the edges or mounting bracket.

Set Jumpers:

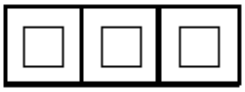
Jumpers are used to select the operation modes for your system. Each jumper on the board has several metal pins with each pin representing a different function. A "1" is written besides pin 1 on jumpers with several pins. To set a jumper, a plastic cap containing metal contactor is placed over the jumper pins according to the required configuration. A jumper is said to be shorted when the plastic cap has been placed on two pins of it.The types of jumpers used in this manual are shown below:

Jumper Cap



3-pin Jumper

3 2 1



Open set

Short set

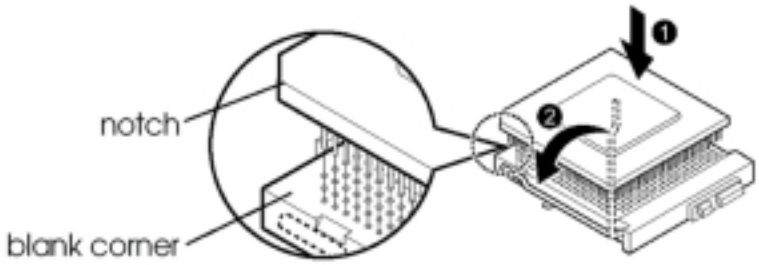
Note:

Users are not encouraged to change the jumper settings not listed in this manual. Changing the jumper settings improperly may adversely affect system performance.

Install CPU

The CPU module resides in the socket 370 on the motherboard. Please following the steps introduced below to complete the CPU installation.

1) Locate the new processor you are installing over the socket so that the notched corner on the processor (pin 1) can be aligned with the blank corner on the socket. Then gently push the processor straight into the socket until its pins are completely inserted into the holes of the socket.

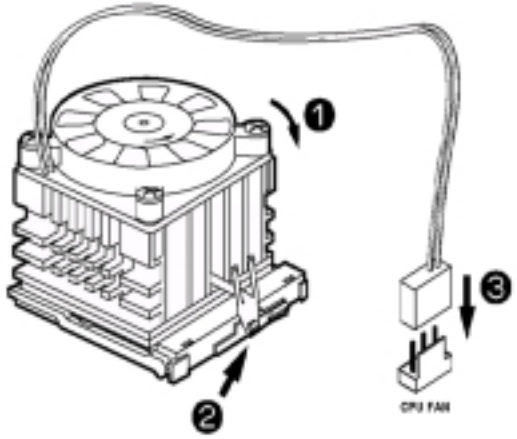


Caution!!

If you install the processor chip in the wrong orientation, you may burn the chip and void your warranty. So you should install it careful deeply.

2) Press the ZIF handle back to close it.

3) Attach the heat sink to the processor socket and then connect a fan connector cable from the CPU fan to the CPU FAN connector.



CPUSetting

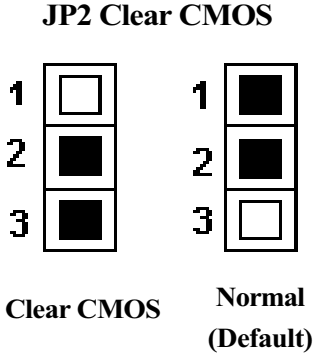
After installing the CPU, you must set the clock selection jumpers to match the frequency of the CPU. This product designs as **Jumperless BIOS setup mode**, you can control over-clock through BIOS (Chapter 3 "Frequency/Voltage Control"). Now please find the jumper labeled **JP3 & JP4**, set it according to the figure below and table for CPU normal clock frequency.

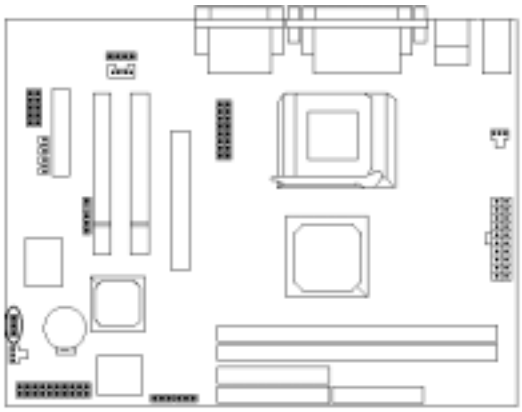
Caution !!

we don't recommend user to try overclock, it may damage your CPU and result in a slower speed. Please think carefully before you use overclock function.

We introduce you how to clear CMOS, and enter into system BIOS, it could help you accomplish CPU setting in BIOS easyly.

Clear CMOS: JP2

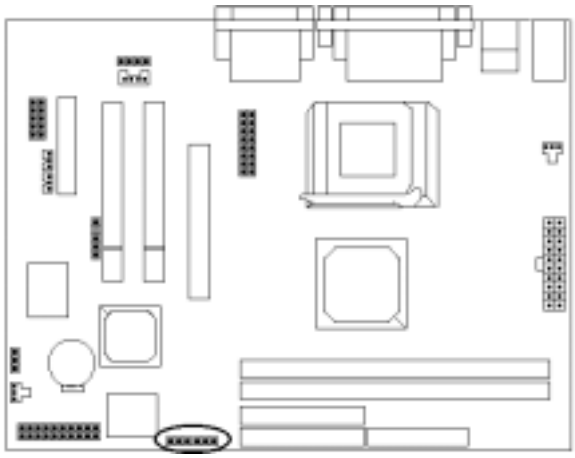


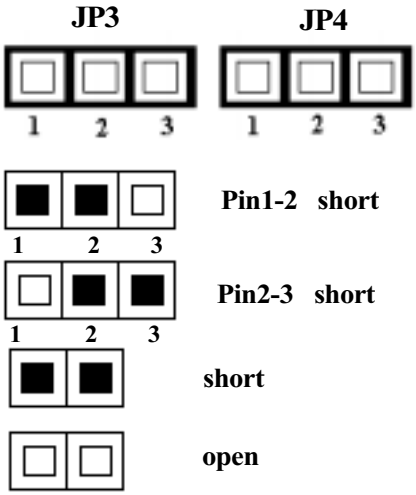


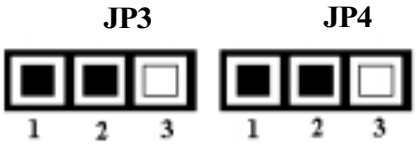
To Clear CMOS, please follow the steps below:

1. Power off the system and unplug the chassis AC power cord.
2. Short JP2 at pin 2-3 for few seconds.
3. Set JP2 back to its Normal position at pin1-2
4. Plug the AC power cord to the chassis.
5. Power on the system and load the BIOS set up default.

Jumper Setting (JP3 & JP4)



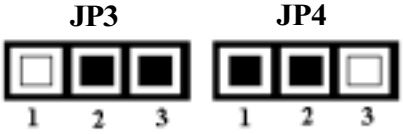




Auto Detect

Auto Detect is default for CPU of JP3 & JP4. You need not set this jumper except you want to over-clock.We recommend you to keep the default, it will guarantee your system working stability.

Note:



This setting only fits for Celeron 300A CPU. (Celeron 300A 's frequency is 66MHz.)

Over-clock Setting

Meanwhile, the jumperfree mode allow processor settings to be made through the BIOS setting. (Frequency / Voltage Control)

How to enter the BIOS?

While the BIOS is in control, the Setup program can be activated by pressing the <Del>key during the POST (Power On Self-Test).

1. If your CPU is ***66MHz clock frequency (Celeron)***, you may select CPU host clock from the BIOS for overclock.

Frequency / Voltage Control

Auto Detect DIMM / PCI Clk	Enabled	**Item Help**
CPU HOST / Sprd Spec / PC133	Default	
CPU Clock Ratio	X3	Menu Level »

Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

CPU Host / Sprd Spec / PC133

Default.....( )
66Mhz/0.60%/No.....( )
68Mhz/off/No.....( )
75Mhz/off/No.....( )
78Mhz/off/No.....( )
80Mhz/off/No.....( )

Also, If you decide to make 66MHz CPU over-clock to 100MHz CPU, you may set JP3 & JP4 manually as following:

Caution!!

Frequencies above 66MHz exceed the specifications for the CPU and are not guaranteed to be stable and results in damanging your peripheral devices.

2. If your CPU is **100MHz clock frequency (FC-PGA Coppermine & VIA CyrixIII)**, you may select CPU host clock from the BIOS for over-clock.

Frequency / Voltage Control

Auto Detect DIMM / PCI Clk	Enabled	**Item Help**
CPU HOST / Sprd Spec / PC133	Default	
CPU Clock Ratio	X3	Menu Level »

Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

CPU Host / Sprd Spec / PC133

Default.....( )
100Mhz/0.60%/No.....( )
110Mhz/off/No.....( )
114Mhz/off/No.....( )
117Mhz/off/No.....( )
122Mhz/off/No.....( )
127Mhz/off/No.....( )
129Mhz/off/No.....( )

Also, If you decide to make100MHz CPU over-clock to 133MHz CPU, you may set JP3 & JP4 manually as well as following:

Caution!!

Frequencies above 100MHz exceed the specifications for the CPU and are not guaranteed to be stable and results in damanging your peripheral devices.

3. If your CPU is **133MHz clock frequency (FC-PGA Coppermine & CyrixIII)**, you may select CPU host clock from the BIOS for over-clock.

Frequency / Voltage Control

Auto Detect DIMM / PCI Clk	Enabled	**Item Help**
CPU HOST / Sprd Spec / PC133	Default	
CPU Clock Ratio	X3	Menu Level »

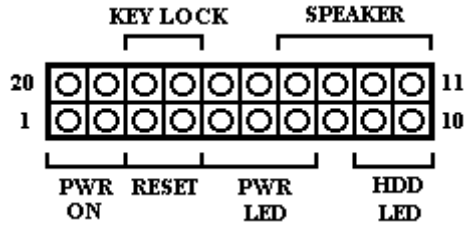
Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

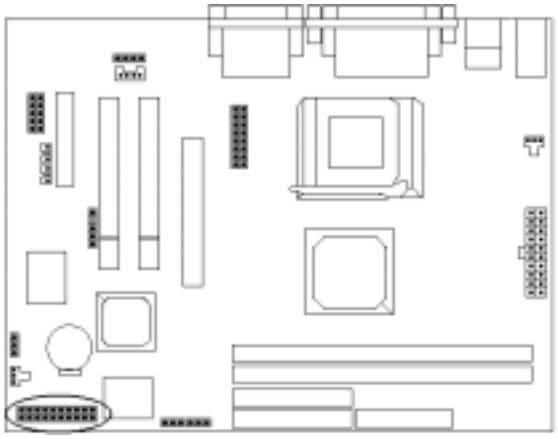
CPU Host / Sprd Spec / PC133

Default.....( )
133Mhz/0.45%/Yes.....( )
140Mhz/off/Yes.....( )
144Mhz/off/No.....( )
146Mhz/off/No.....( )
150Mhz/off/Yes.....( )
157Mhz/off/No.....( )
160Mhz/off/No.....( )
166Mhz/off/No.....( )

Connectors:

1. Panel Connector



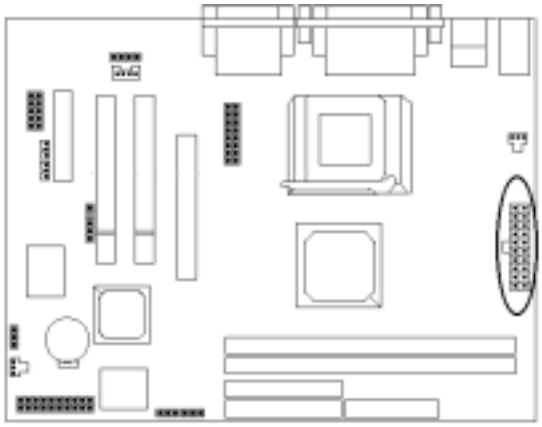


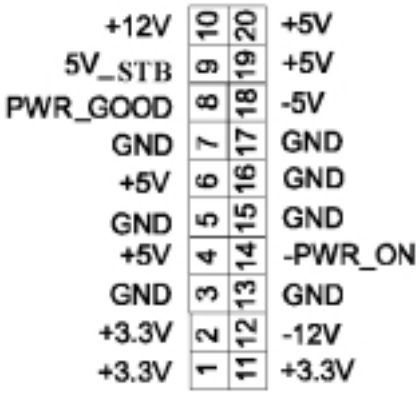
-POWER LED	ATX Power LED (3-pins)
-SPEAKER	Chassis Speaker (4-pins)
-HDD LED	HDD LED (2-pins)
-RESET	Reset Switch (2-pins)
-PWR ON	ATX Power Switch (2-pins)
-KEYLOCK	Key Lock Switch(2-pins)

2. Power Connector

Connect the 20-pin ATX power supply cable to this power connector. Make sure the right plug-in direction and the power supply is off before connecting or dis-connecting the power cable.

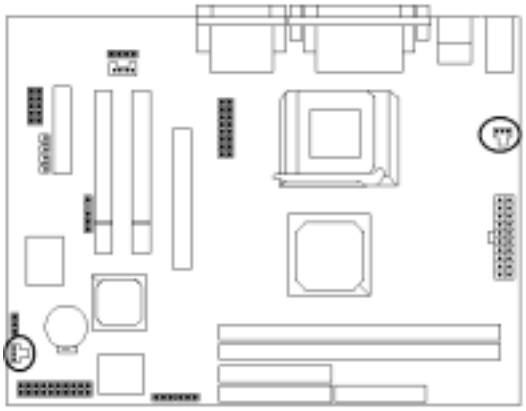
Note: We suggest that users use 5 V STB and power source current should be over 0.8A, otherwise it will affect system boot up.

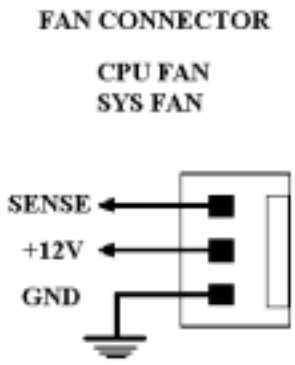




3. Fan Connector

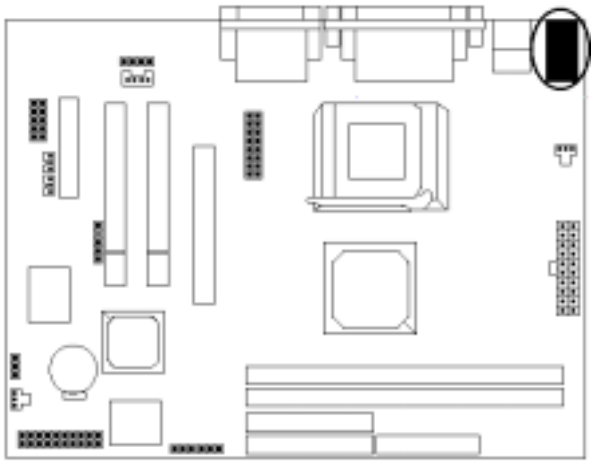
Connect the CPU and System fan cables to the fan connectors shown below.
The fan connectors are marked as: **SYS FAN & CPU FAN** on the motherboad.

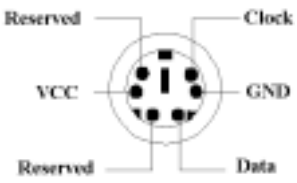




4. PS/2 Mouse and Keyboard Connector

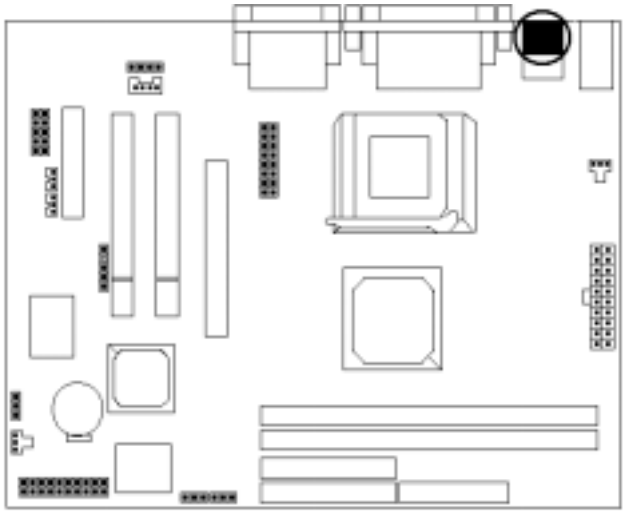
Connect the **PS/2 Mouse** and **Keyboard** to the onboard 6-pin Mini-Din connector shown as below.

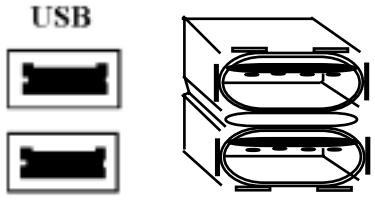




5. USB Connector

Connect your **USB** device(s) to the onboard USB connector shown as below.

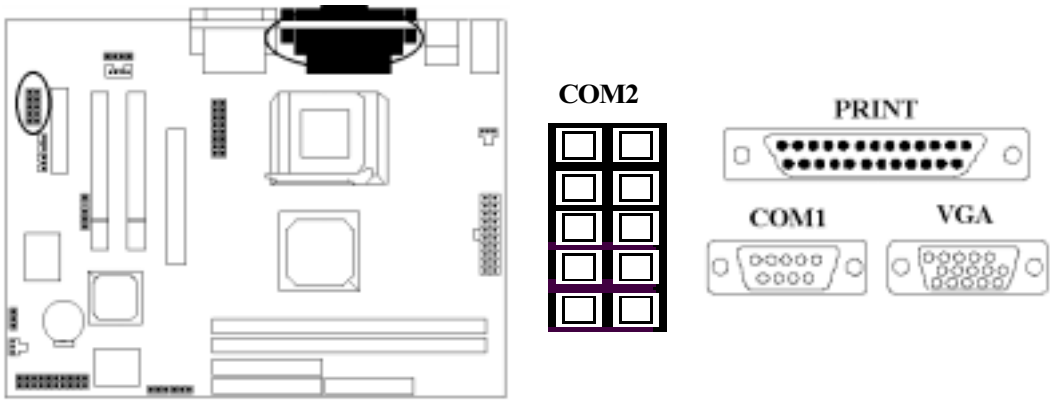




Top: USB1
Bottom: USB2

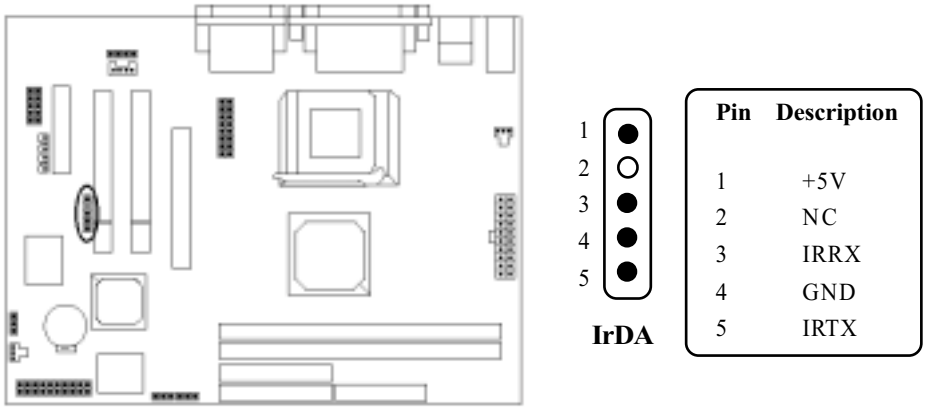
6. Serial Device COM1& com2, VGA and Printer Connectors

Connector your serial device(s) to the onboard serial connectors marked as **COM1 & COM2**. Connect the 15-pins VGA Monitor Output marked as **VGA** to your system monitor or other VGA compatible devices. Connect your local **Printer** to the onboard 25-pin printer connector marked shown as below.



7. IrDA Connector

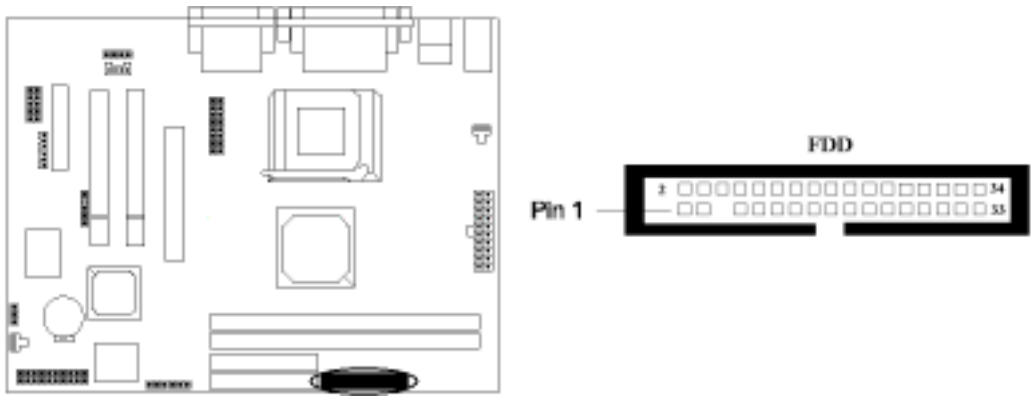
Connect your IR devices to the onboard **IrDA** connectors shown as below.



Pin	Description
1	+5V
2	NC
3	IRRX
4	GND
5	IRTX

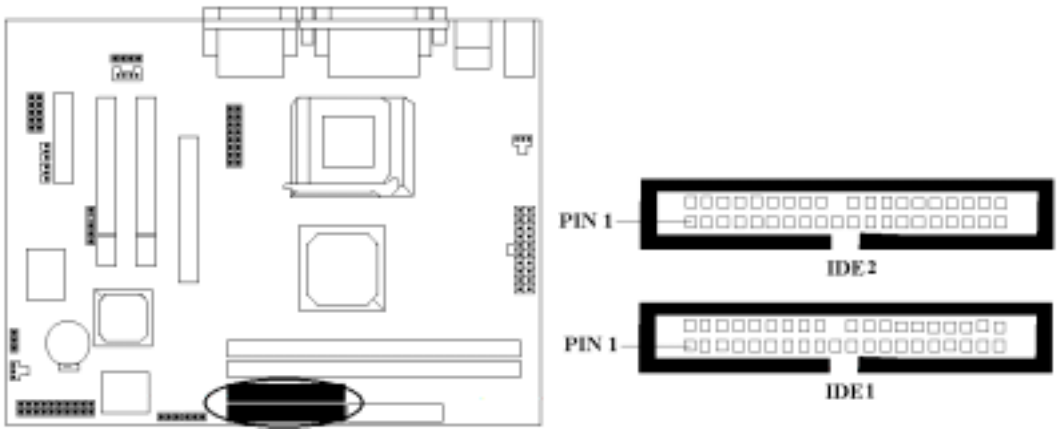
8. Floppy Drive Connector

Connect the floppy drive cable to the onboard 34-pin floppy drive connector marked as **FDD.**



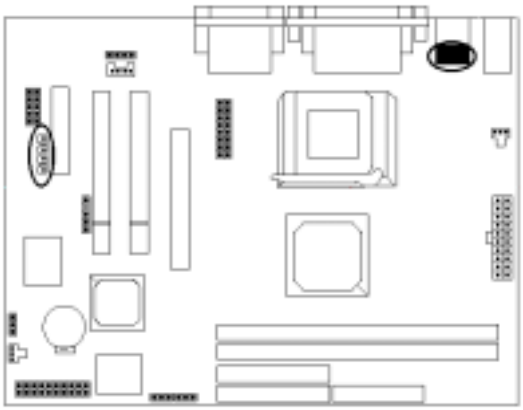
9. IDE Hard Disk Connectors

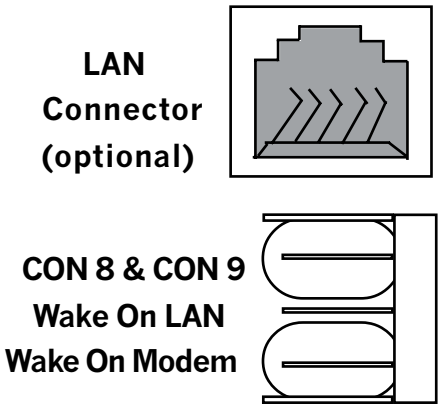
Connect your IDE devices to the onboard 40-pin IDE connectors marked as **IDE1 & IDE2** .



10. LAN Connector (optional) & Wake Up function

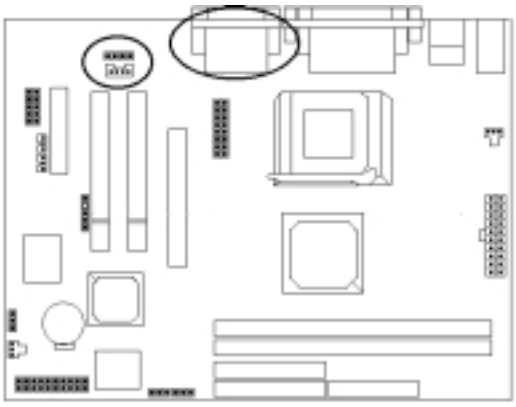
Connect your **LAN** port to the onboard LAN connector shown as below. Also Wake on LAN & Modem pinheader, CON8 / CON 9 are on board.(**Wake on LAN & Wake on Modem functions should be supported Network Card and Modem Card.)**

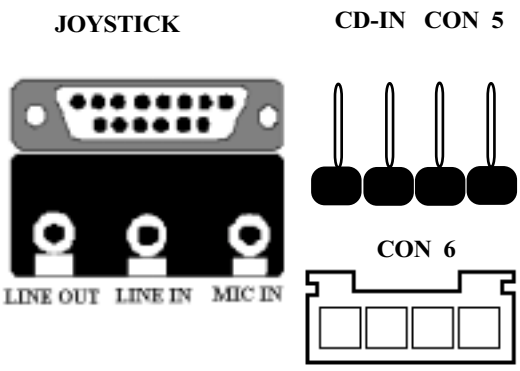




11. Game / Audio Connector and CD_IN Connectors

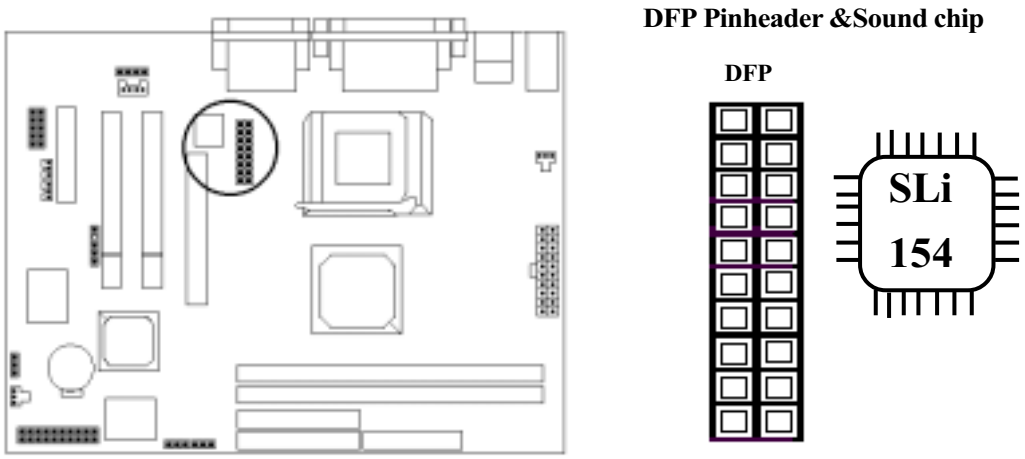
The 15-pin female **Game/Audio** connector allows you to connect game joystick or game pads for playing games. Connect MIDI devices for playing or editing audio. The CD connector marked as **CON5 & CON 6** are for CD-ROM connection.



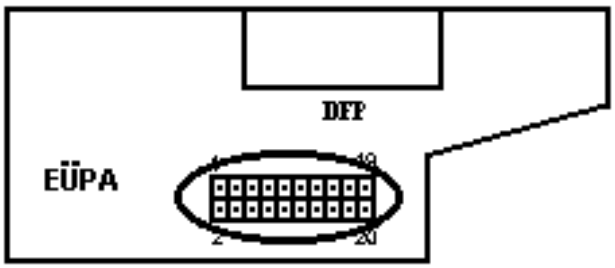


12. DFP Connector(optional)

The 20-pin **DFP** connector onboard marked as **CON7** allows you to connect to DFP daughter board. Also **SLi154** chipset support this function. (we provide users one DFP bracket showing like below.)



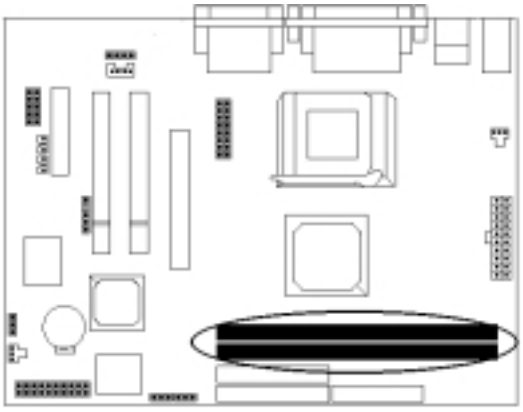
We will porvide user one EUPA DFP bracket for using.



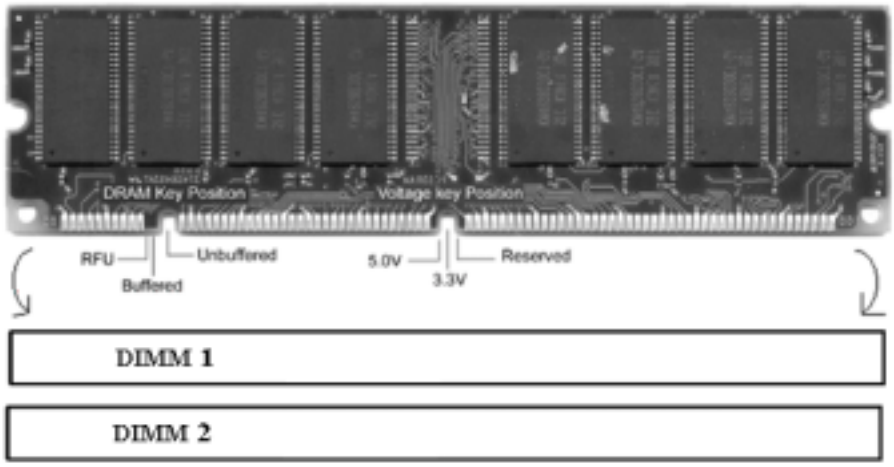
System Memory Installation

There are 2 pieces 168-pin DIMM (Dual Inline Memory Module) sockets on the motherboard which support SDRAM and EDO DRAM memory.

- To ensure reliability, it is recommended to use PC 100 or PC 133 SDRAM for your high clock SDRAM performance requirement.
- If you are using low clock SDRAMs, you should set the SDRAM clock option of the BIOS's Chipset Feature Setup to HCLK-33 to ensure stability.
- DIMM Sizes supported: **8MB, 16MB, 32MB, 64MB, 128MB, 256MB.**
- Total Memory Size = DIMM 1 + DIMM 2, maximum up to 512 MB.

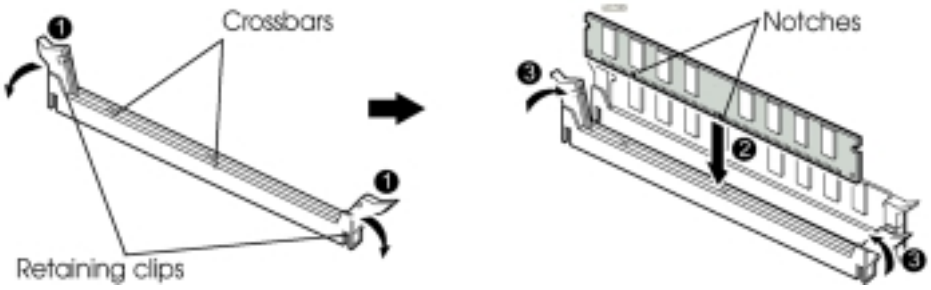


There are 2 x168-pin DIMM sockets that allow you to install the system memory max up to 512 MB SDRAM.



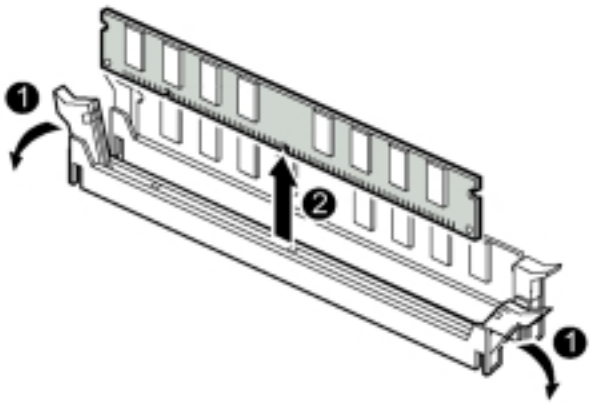
1 Install DIMM

1) Locate the DIMM socket on the motherboard.
2) Orient a DIMM to the socket so that the two notches in the DIMM connector are aligned with the crossbars in the socket.
3) Press the DIMM straight into the socket until the retaining clips snap into place around the ends of the DIMM.



2 Removing a Memory Module

To remove memory module, press the retaining clips outward simultaneously until the DIMM disengages from the socket and then carefully remove the DIMM from the socket.



Chapter 3
CMOS Setup Utility

The rest of this manual is intended to guide you through the process of configuring your system using Setup. While the BIOS is in control, the Setup program can be activated by pressing the <Del>key during the POST (Power On Self-Test).If the message disappears before you respond and you still wish to enter Setup, restart the system to try again by turning it OFF then ON or pressing the " RESET " button on the system case. You may also restart by simultaneously pressing <Ctrl>, <Alt>, and <Delete> keys.

CMOS Setup Main Menu

Once you enter the BIOS setup utility, the Main Menu will appear on the screen. The Main Menu allows you to select from several setup functions . the arrow keys to select among the items and press <Enter> to accept and enter the submenu.

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■ Standard CMOS Features	Frequency/Voltage Control
■ Advanced BIOS Features	Load Fail-Safe Defaults
■ Advanced Chipset Features	Load Optimized Defaults
■ Integrated Peripherals	Set Supervisor Password
■ Power Management Setup	Set User Password
■ PnP/PCI Configuration	Save & Exit Setup
■ PC Health Status	Exit Without Saving
Esc : Quit F10 : Save & Exit Setup	#$! " : Select Item
Abandon all datas	

The main menu includes the following main setup categories, which defines basic information about your system. Below are the keyboard function keys you can use under the menu.

Menu function keys:

↑ ↓ ← →	: To Move around the screen. An item is highlighted if it is selected.
F1	: Help.
F10	: Save CMOS Changes & Exit.
ENTER	: To select or enter a submenu.
ESC	: To quit the BIOS Setup Utility.

Standard CMOS Setup

The items in Standard CMOS Setup Menu are divided in 10 catagories. Each catalogue includes one or more than one setup items. Use the keys to highlight the item and then use the ↑↓←→ / <PgUp> / <PgDn> keys to select the value you want in each item.

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
Standard CMOS Features

Date (mm:dd:yy):	Fri, May 19 2000	Item Help
Time (hh:mm:ss):	16:19:20	
» IDE Primary Master		Menu Level »
» IDE Primary Slave		
» IDE Secondary Master		Change the day, month, year
» IDE Secondary Slave		and century
Drive A	1.44M. 3.5in	
Drive B	None	
Video	EGA / VGA	
Halt On	All, But Keyboard	
Base Memory	640K	
Extended Memory	65472K	
Total Memory	1024K	

#$!" : Move Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6: Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

Date & Time

To set the date and time, highlight the date area.Press ↑↓←→ /<PgUp>/ <PgDn> to set the current date. The date format is month: Jan. ~ Dec; date: 1 ~ 31; year: 1994 ~ 2079; hour: 00 ~ 23; and second: 00 ~ 59.

- **Hard Disks → IDE Primary Master**
- **Hard Disks → IDE Primary Slave**
- **Hard Disks → Secondary Primary Master**
- **Hard Disks → Secondary Primary Slave**

Press <Enter> to enter the submenu of detailed options, the following table shows the IDE primary master submenu.

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
IDE Primary Master

IDE HDD Auto-Detection	***Press Enter***	Item Help
IDE Primary Master	Auto	Menu Level »
Access Mode	Auto	Change the day, month, year and century
Capacity	3249MB	
Cylinder	6296	
Head	16	
Precomp	65535	
Landing Zone	6295	
Sector	63	
#$! " : Move Enter: Select	+/-/PU/PD: Value F10: Save	Esc:Exit F1: General Help
F5 : Previous Values	F6 : Fail-safe defaults	F7 : Optimized Defaults

IDE HDD Auto-detection

Press Enter to auto - detect the HDD's size, head... on the channel. If detection is successful, it fills the remaining feilds on the menu.

IDE Primary Master

Selecting ' manual' lets you set the remaining fields on the screen. Selects the type of fixed disk. " User Type " will let you select the number of cylinders, heads, etc.

Note: PRECOMP=65535 means NONE!

The optional are: None, **Auto (Default)**, Manual

The following options are selectable onlyif the 'IDE Primary Master' item is set to 'Manual':		
Cylinder	Min = 0 Max = 65535	Set the number of cylinders for this hard disk.
Head	Min = 0 Max = 255	Set the number of read/write heads
Precomp	Min = 0 Max = 65535	Warning: Setting a value of 65535 means no hard disk
Landing zone	Min = 0 Max = 65535	
Sector	Min = 0 Max = 255	Number of sectors per track

Access Mode

Choose the access mode for this hard disk.

The optional are: Normal, LBA, Large, **Auto (Default)**.

Capacity

Disk drive capacity (approximated). Note that this size is usually slightly greater than the size of the formatted disk given by a disk checking program.

The optional are: Auto display your drive size.

Drive A / Drive B

Select the floppy drive type installed in your system. The available options for Drive A and Drive B.

The optional are: 360K 5.25 in, 1.2M 5.25 in, 720K 3.5 in, 1.44M 3.5 in**(Drive A default)**, 2.88M 3.5 in and NONE **(Drive B default)**.

Video

Select the video display card type installed in your system.

The optional are: **EGA/VGA (Default)**, CGA 40, CGA 80 and Mono.

Halt On

This item defines the operation of the system POST (Power On Self-Test). You can use this item to select which kind of errors will cause the system to halt during POST.

The optional are: All Errors, No Errors, **All But Keyboard (Default),** All But Diskette and All But Disk / Key

Advanced BIOS Features

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Advanced BIOS Features

Virus Warning	Disabled	**Item Help**
CPU Internal Cache	Enabled	
External Cache	Enabled	Menu Level ▸▸
CPU L2 Cache ECC Checking	Enabled	
Processor Number Feature	Enabled	
Quick Power On Self Test	Disabled	Allows you to choose the
First Boot Device	Floppy	VIRUS warning feature for
Second Boot Device	HDD-0	IDE Hard Disk boot sector
Third Boot device	LS120	protection. If this function is
Boot other device	Enabled	enabled and someone
Swap Floppy Drive	Disabled	attempt to write data into
Boot Up Floppy Seek	Enabled	this area, BIOS will show a
Boot Up Numlock Status	On	warning message on screen
Gate A20 Option	Fast	and alarm beep.
Typematic Rate Setting	Disabled	
x Typematic Rate (Chars/Sec)	6	
x Typematic Delay (Msec)	250	
Security Option	Setup	
OS Select For DRAM > 64MB	Non-OS2	
Report No FDD For WIN 95	No	

#$!" : Move Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

Virus Warning

If this function enabled and someone attempt to write data into this area, BIOS will automatically show a warming message on screen and alarm beep.

The optional are: Enabled, **Disabled (Default)**

CPU Internal / External cache

These two items controls Enable / Disable the CPU internal / external cache.

The optional are: **Enabled (Default)**, Disabled

CPU L2 Cache ECC Checking

This item allows you to enable / disable CPU L2 Cache ECC Checking.

The optional are: **Enabled (Default)**, Disabled

Processor Number Feature

This item allows you to enable / disable Processor Number.

The optional are: **Enabled (Default)**, Disabled

CMOS Setup Utility

Quick Power On Self Test

This item speeds up Power On Self Test (POST) after you power up the computer. It allows the system to skip certain tests while booting. This will decrease the time needed to boot the system

The optional are: Enabled, **Disabled (Default)**

First / Second / Third Boot Device

The BIOS attempts to select your boot device priority.

The optional are: **Floppy (First Default), HDD-0(Second Default), LS 120 (Third Default)**, HDD-1/2/3, ZIP 100, SCSI, CDROM, LAN.

Boot Other Device

The BIOS attempts to select your boot device priority.

The optional are: **Enabled (Default)**, Disabled

Swap Floppy Drive

If the system has two floppy drives, choose enable to assign physical drive B to logical drive A and vice-versa.

The optional are: Enabled, **Disabled (Default)**

Boot Up Floppy Seek

Enabled tests floppy drives to determine whether they have 40 or 80 tracks.

The optional are: **Enabled (Default)**, Disabled

Boot Up NumLock Status

Selects power on state for NumLock.

The optional are: Off**,** On **(Default)**

Gate A20 Option

Normal--a pin in the keyboard controller controls Gate A20.

Fast-- lets chipset control Gate A20.

The optional are: Normal, **Fast (Default)**

Typematic Rate Setting

Keystrokes repeat at a rate determined by the keyboard controller, when enabled, the typematic rate and typematic delay can be selected.

The optional are: Enabled, **Disabled(Default)**

Typematic Rate (Chars/Sec)

Sets the number of times a second to repeat a key stroke when you hold the key down.

The optional are: **6 (Default)**, 8, 10, 12, 15, 20, 24, 30

Typematic Delay (Msec)

Select the delay time after the key is held down before it begins to repeat the key strokes.

The optional are: **250 (Default)**, 750, 1000

Security option

Select whether the password is required every time when you enter setup.

Setup -- The system will boot up.

System -- The system will not boot and access to setup will be denied if the correct password is not entered at the prompt.

The optional are: **Setup (Default)**, System

OS Select for DRAM > 64MB

Select OS2 only if you are running OS/2 operating system with greater than 64MB of RAM on the system.

The optional are: **Non-OS/2 (Default)**, OS/2

Report No FDD for WIN 95

Whether report no FDD for WIN 95 or not.

The optional are: Yes, **No (Default)**

Advanced Chipset Features

This item allows you to configure the system based on the specific features of the chipset. The chipset manages bus speed and access to system memory recources, and external cache. It must be stated that these items should never need to be altered.The default settings have been chosen because they provide you the best operating conditions for your system. The only time you might consider making any changes if you discovered that the datas were being lost while control your system.

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
Advanced Chipset Features

SDRAM CAS Latency Time	3	**Item Help**
SDRAM Cycle Time Tras/Trc	6/8	
SDRAM RAS-to-CAS Delay	3	Menu Level »
SDRAM RAS Precharge Time	3	
System BIOS Cacheable	Disabled	
Video BIOS Cacheable	Disabled	
Memory Hole At 15M-16M	Disabled	
CPU Latency Timer	Disabled	
Delayed Transaction	Enabled	
On-Chip Video Window Size	64MB	
System Memory Frequency	100MHz	
AGP Graphics Aperture Size	64MB	
* Onboard Display Cache Setting*		
CAS# Latency	3	
Paging Mode Control	open	
RAS-to-CAS Override	by CAS# LT	
RAS# Timing	Fast	
RAS# Precharge Timing	Fast	

Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

SDRAM CAS Latency Time

When synchronous DRAM is installed, the number of clock cycles of CAS latency depends on the DRAM timing.

The optional are: 3**(Default)**, 2

SDRAM Cycle Time Tras/Trc

Select the number of SCLKs for an access.

The optional are: **6/8 (Default)**, 5/7

SDRAM RAS-to-CAS Delay

When synchronous DRAM is installed in the system, this field lets you insert a timing delay between the as CAS and RAS strobe signals, used DRAM is written to, read from,or refreshed.

The optional are: **3(Default)**, 2

SDRAM RAS Precharge Time

If an insufficient number of cycles is alllowed for the RAS to accumulate its charge before DRAM refresh, the refresh may be incomplete and the DRAM may fail to retain data.

The optional are: **3(Default)**, 2

System BIOS Cacheable

Selecting Enabled allows caching of the system BIOS ROM at F0000h-FFFFFh, resulting in better system performance.

The optional are: Enabled, **Disabled(Default)**

Video BIOS Cacheable

Select Enabled allows caching of the video BIOS, resulting in better system performance.

The optional are: Enabled, **Disabled(Default)**

Memory Hole At 15M - 16M

When this area is reserved, it cannot be cached. The user information of peripheral that need to use this area of system memory usually discusses their memory requirements.

The optional are: Enabled, **Disabled(Default)**

CPU Latency Timer

This option allows you to Enabled/Disabled CPU latency Timer.

The optional are: Enabled, **Disabled(Default)**

Delayed Transaction
Select Enabled to support compliance with PCI specification version 2.1.
The optional are: **Enabled(Default)**, Disabled

On-chip Video Window Size
Select the on-chip video window size for VGA drive use.
The optional are: Enabled, 32MB, **64MB(Default)**

System Memory Frequency
Select System Memory Frequency.
The optional are: **100MHz(Default)**, 133MHz

AGP Graphics Aperture Size
Select the size of Accelerated Graphics Port (AGP) aperture. The aperture is a portion of the PCI memory address range dedicated for graphics memory address space. Host cycles that hit the aperture range are forwarded to the AGP without any translation.
The optional are: 32MB, **64MB(Default)**

System Memory Frequency
Select System Memory Frequency.
The optional are: **100MHz(Default)**, 133MHz, Auto

CAS # Latency
Select the local memory clock periods.
The optional are: **3(Default)**, 2

Paging Mode Control
Select the paging mode control.
The optional are: **Open(Default)**, Close

RAS-to-CAS Override

Select the display cache clock periods control.

The optional are: **by CAS # LT (Default)**, Override(2)

RAS# Timing

This item controls RAS# active to Protegra, and refresh to RAS# active delay (in local memory clocks).

The optional are: Slow, **Fast(Default)**

RAS# Precharge

This item controls RAS# precharge (in local memory clocks).

The optional are: **Fast(Default)**, Slow

Integrated Peripherals

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Integrated Peripherals

On-Chip Primary PCI IDE	Enabled	**Item Help**
On-Chip Secondary PCI IDE	Enabled	
IDE Primary Master PIO	Auto	Menu Level »
IDE Primary Slave PIO	Auto	
IDE Seconday Master PIO	Auto	
IDE Secondary Slave PIO	Auto	
IDE Primary Master UDMA	Auto	
IDE Primary Slave UDMA	Auto	
IDE Secondary Master UDMA	Auto	
IDE Secondary Slave UDMA	Auto	
USB Controller	Enabled	
USB Keyboard Support	Disabled	
Init Display First	PCI Slot	
AC97 Audio	Auto	
AC 97 Modem	Auto	
IDE HDD Block Mode	Enabled	
Power On function	Any key	
Hot Key Power On	Ctrl-F1	
Onboard FDC Controller	Enabled	
Onboard Serial Port1	3F8/IRQ4	
Onboard Serial Port2	2F8/IRQ3	
UART Mode Select	Normal	
UR2 Duplex mode	Half	
Onboard Parallel Port	378/IRQ7	
Parallel Port Mode	SPP	
ECP Mode Use DMA	3	
PWRON After PWR-Fail	Off	
Game Port Address	201	
Midi Port Address	330	
Midi Port IRQ	10	

Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

On-Chip Primary / Secondary PCI IDE

The integrated peripheral controller contains an IDE interface with support two IDE channels. Select Enabled to activate each channel separately.

The optional are: **Enabled (Default)**, Disabled

IDE Primary / Secondary Master / Slave PIO

The four IDE PIO (Programmed Input/Output) fields let you set a PIO mode (0-4) for each of the four IDE devices that the onboard IDE interface supports. Modes 0 through 4 provide successively increased performance. In Auto mode, the system automatically determines the best mode for each device.

The optional are: **Auto (Default)**, Mode 0, Mode 1, Mode 2, Mode3, Mode 4

IDE Primary / Secondary Master / Slave UDMA

Ultra DMA/33 implementation is possible only if your IDE hard drive supports it and the operating environment includes a DMA driver (Windows 95 OSR2 or a third-party IDE bus master driver). If your hard drive and your system software both support Ultra DMA/33, select Auto to enable BIOS support.

The optional are: **Auto(Default)**, Disabled

USB Controller

Select Enabled if your system contains a Universal Seria Bus (USB) controller and you have a USB peripheral.

The optional are: **Enabled (Default)**, Disabled

USB Keyboard Support

Select Enabled if your system contains a universal Serial Bus (USB) controller and you have a USB keyboard.

The optional are: Enabled, **Disabled(Default)**

Init Display First

This item allows you to decide to active whether PCI Slot or on-chip VGA first.
The optional are: **PCI Slot(Default)**, Onboard / AGP

AC 97 Audio

This item allows you to decide to enable/ disable the 810 chipset family to support AC 97 audio.
The optional are: **Auto (Default)**, Disabled

AC97 Modem

This item allows you to decide to enable/disable the 815 chipset family to support AC97 Audio/Modem.
The optional are: **Auto(Default)**, Disabled

IDE HDD Block Mode

If your IDE hard drive supports block mode (most new drives do), select Enabled for automatic detection of the optimal number of block read / write per sector the drive can support.
The optional are: **Enabled(Default)**, Disabled

POWER ON Function

Set the power on function mode for power on.
The optional are: Hot Key, Mouse Click, **Any Key(Default)**, BUTTON ONLY, Keyboard 98

Hot Key Power ON

This option let you choose Power ON Key from <Ctrl-F1> to <Ctrl-F12>.
The optional are: Ctrl-F1**(Default)**, Ctrl-F12

Onboard FDC Controller

Select Enabled if your system has a floppy disk controller (FDC) installed on the system board and you wish to use it. If you install an add-in FDC or the system has no floppy drive, select Disabled in this field.

The optional are: **Enabled(Default)**, Disabled

Onboard Serial Port1 / Serial Port2

Select an address and corresponding interrupt for the first and second serial ports.

The optional are: Auto, Disabled, **3F8 / IRQ4(Port 1 Default), 2F8 / IRQ3(Port 2 Default)**, 3E8 / IRQ4, 2E8 / IRQ3

UART Mode Select

Let you choose UART Mode.

The optional are: **Normal(Default)**, IrDA, ASKIR, SCR

UR2 Duplex mode

Let you choose UR2 Duplex mode.

The optional are: **Half(Defautl)**, Full

Onboard Parallel Port

Select a logical LPT port address and corresponding interrupt for the physical parallel port.

The optional are: **378/IRQ7(Default)**, 278/IRQ5, 3BC/IRQ7, Disabled

Parallel Port Mode

Select an operating mode for the on board parallel (printer) port.

The optional are: **SPP(Default)**, EPP, ECP, ECP+EPP

ECP Mode Use DMA

Select a DMA channel for the parallel port for use during ECP mode.

The optional are: **3(Default)**, 1

PWRON After PWR-Fail

Select after power on fail status.

The optional are: **Off(Default)**, On, Former-Sts

Game Port Address

Select an address for game port.

The optional are: Disabled, **201(Default)**, 209

Midi Port Address

Select an address for Midi Port.

The optional are: Disabled, **330 (Default)**, 300

Midi Port IRQ

Select a corresponding interrupt for Midi Port.

The optional are: 5, **10(Default)**

Power Management Setup

The Power Management Setup allows you to configure your system effectively save energy while operating in a manner consistent with your own style of computer use.

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Power Management Setup

ACPI Function	Enabled	**Item Help**
ACPI Suspend Type	S1(POS)	
Power Management	User Define	Menu Level ▸▸
Video Off Method	DPMS	
Video Off In Suspend	Yes	
Suspend Type	Stop Grant	
MODEM Use IRQ	3	
Suspend Mode	Disabled	
HDD Power Down	Disabled	
Soft-Off by PWR-BTTN	Instant-Off	
Power On by Ring	Disabled	
USB KB Wake-Up From S3	Disabled	
Resume by Alarm	Disabled	
* Date (of Month) Alarm	0	
* Time (hh:mm:ss) Alarm	0 0 0	
** Reload Global Timer Events **		
Primary IDE 0	Disabled	
Primary IDE 1	Disabled	
Secondary IDE 0	Disabled	
Secondary IDE 1	Disabled	
FDD, COM, LPT Port	Disabled	
PCI PIRQ [A-D]#	Disabled	

Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

ACPI Function

This item allows you to enable/disable the Advanced Configuration and Power Management (ACPI).

The optional are: **Enabled(Default)**, Disabled

ACPI Suspend Type

This item lets you select a method of ACPI suspend.

The optional are: **S1(POS) (Default)**, S3(STR)

Power Management

There are three selections for Power Management, three of which have fixed mode settings.

The optional are: **User Define(Default)**, Min Saving, Max Saving

Min. Power Saving	Minimum power management. Doze Mode = 1 hr. Standby Mode = 1 hr., Suspend Mode = 1 hr., and HDD Power Down = 15 min.
Max. Power Saving	Maximum power management ONLY AVAILABLE FOR SL CPU'S. Doze Mode = 1 min., Standby Mode = 1 min., Suspend Mode = 1 min., and HDD Power Down = 1 min.
User Defined	Allows you to set each mode individually. When not disabled, each of the ranges are from 1 min. to 1 hr. except for HDD Power Down which ranges from 1 min. to 15 min. and disable.

Video Off Method

Determines the manner in which the monitor is blanded. System turns off vertical and horizontal synchronization ports and writes blanks to the video buffer. Select this option if your monitor supports.System only writes blanks to the video buffer.

The optional are: V/H SYNC+Blank, **DPMS (Default)**, Blank Screen

Video Off In Suspend

Setup whether video off in suspend or not.

The optional are: **Yes (Default)**, No

Suspend Type

This item lets you select a method of global system suspend.

The optional are: **Stop Grant(Default)**, PwrOn Suspend

Modem Use IRQ

This determines the IRQ in which the MODEM can use.

The choice: **3(Default)**, 4, 5, 7, 9, 10, 11, NA.

Suspend Mode

After the selected period of system inactivity, all devices except the CPU shut off.

The optional are: 1/2/4/8/12/20/30/40Min, 1 Hour, **Disabled (Default)**

HDD Power Down

After the selected period of drive inactivity, the hard disk drive powers down while all other devices remain active.

The optional are: 1/2/3/4/5/6/7/8/9/10/11/12/13/14/15 Min, **Disabled(Default)**

Soft-Off by PWR-BTTN

When Enabled, turning the system off with the on/off button places the system in a very low-power-usage state, with only enough circuitry receiving power to detect power button activity or Resume by Ring activity.

The optional are: **Instant-Off (Default)**, Delay 4 Sec.

Power On by Ring

Setup whether Power on by ring or not.

The optional are: **Disabled(Default)**, Enabled

USB KB Wake Up From S3

Setup whether USB KB Wake Up From S3.

The optional are: Enabled, **Disabled(Default)**

Primary IDE 0 / IDE 1

This option allows you determine whether enable Primary IDE 0/IDE 1 or not.
The optional are: Enabled, **Disabled(Default)**

Secondary IDE 0 / IDE 1

This option allows you determine whether enable Secondary IDE 0 / IDE 1 or not.
The optional are: Enabled, **Disabled(Default)**

FDD,COM,LPT Port

This option allows you set whether enable FDD, COM, LPT Port or not.
The optional are: Enabled, **Disabled(Default)**

PCI PIRQ[A-D]#

This option lets you set PCI PIRQ [A-D]#.
The optional are: Enabled, **Disabled(Default)**

PnP / PCI Configurations

This section describes configuring the PCI bus system. PCI- Peripheral Component **I**nterconnect, is a system which allows I/O devices to operate at speeds nearing the speed of CPU itself using when communicates with its own special components.This section covers some very technical items and it is strongly recommended that only experienced users should make any changes to the default settings.

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
PnP / PCI Configuration

Reset Configuration Data	Disabled	**Item Help**
Recources Controlled By	Auto(ESCD)	Menu Level ▸▸
* IRQ Recources	Press Enter	Select Yes if you are using a Plug and Play capable operating system. Select No if you need the BIOS to configure non-boot devices
PCI/VGA Palette Snoop	Disabled	

Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

Reset Configuration Data

Normally, you leave this field Disabled. Select Enabled to reset Extended System Configuration Data (ESCD) when you exit Setup if you have installed a new add-on and the system reconfiguration has caused such a serious conflict that the operating system cannot boot.

The optional are: Enabled, **Disabled(Default)**

Resources controlled By

The Award Plug and Play BIOS has the capacity to automatically configure all of the boot and Plug and Play compatible devices. However, this capability means absolutely nothing unless you are using a Plug and Play operating system such as Windows®98.

The optional are: **Auto(ESCD) (Default)**, Manual

PCI/VGA Palette Snoop

Leave this field at Disabled.

The optional are: Enabled, **Disabled(Default)**

PC Health Status

This section helps you to get more information about your system including CPU temperature, FAN speed and voltages. It is recommended that you contact with your motherboard supplier to get proper value about your setting of the CPU temperature.

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
PC Health Status

Shut down Temperature	Disabled	**Item Help**
Voltage 0		
Voltage 1		Menu Level »
Voltage 2		
Voltage 3		
Voltage 4		
Voltage 5		
Voltage 6		
Voltage Battery		
Temperature 1		
Temperature2		
Fan Speed 1		
Fan Speed 2		

Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults

Current CPU Temp.

Show you the current CPU temperature.

Frequency / Voltage Control

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
Frequency / Voltage Control

Auto Detect DIMM / PCI Clk	Enabled	**Item Help**
CPU HOST / Sprd Spec/ PC133	Default	
CPU Clock Ratio	X3	Menu Level ▸▸
Enter: Select F5 : Previous Values +/-/PU/PD: Value F10: Save		
F6 : Fail-safe defaults Esc:Exit F1: General Help F7 : Optimized Defaults		

Auto Detect DIMM / PCI Clk

To reduce the occurrence of electromagnetic interference (EMI), the BIOS detects the presence or absence of components in DIMM and PCI slots and turns off system clock generator pulses to empty slots.

The optional are: **Enabled(Default)**, Disabled

CPU HOST / Sprd Spec / PC133

Setup CPU Host Clock through the BIOS.

The optional are: **Default(Default)**, 66Mhz/0.60%/No, 68Mhz/Off/No, 75Mhz/Off/No, 78Mhz/Off/No, 80Mhz/Off/No, 100Mhz/0.60%/No, 105Mhz/Off/No, 110Mhz/Off/No, 114Mhz/Off/No, 117Mhz/Off/No, 122Mhz/Off/No, 127Mhz/Off/No, 129Mhz/Off/No, 133Mhz/0.45%/Yes, 140Mhz/Off/Yes, 144Mhz/Off/No, 146Mhz/Off/No, 150Mhz/Off/Yes, 157Mhz/Off/No, 160Mhz/Off/No, 166Mhz/Off/No

CPU Clock Ratio

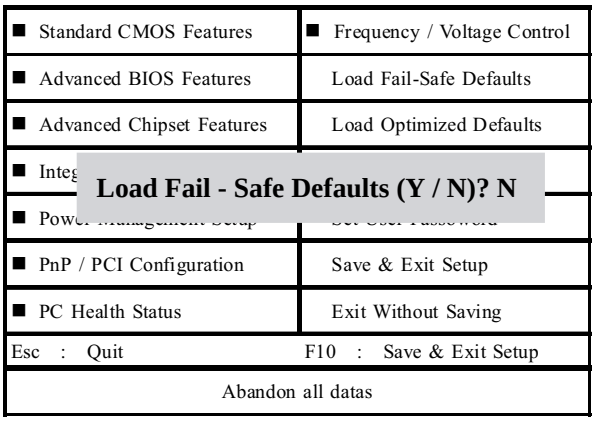
Setup CPU Clock Ratio through the BIOS.

The optional are: **x3(Default)**, x3.5, x4, x4.5, x5, x5.5, x6, x6.5, x7, x7.5, x8

Load Fail-Safe Defaults

This option allows you load Fail-Safe Defaults settings. To load setup default, press <Y> key to confirm the operation when you see the below display.

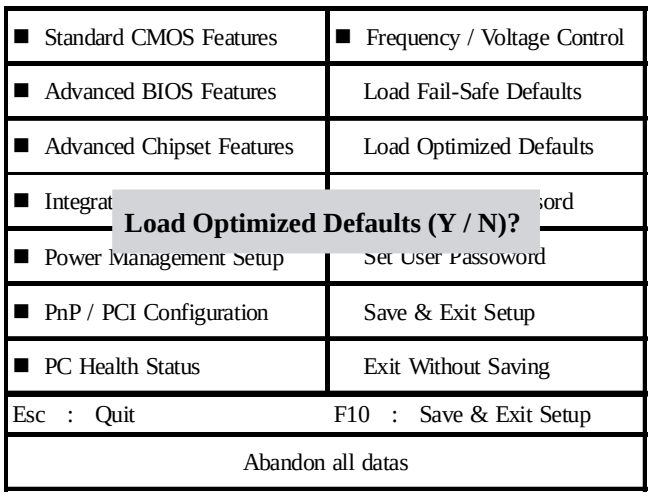
CMOS Setup Utility - Copyright (C) 1984-2000 Award Software



Load Optimized Defaults

This option allows you load Optimized Defaults settings to optimize your system. To load optimized default, press <Y> key to confirm the operation when you see the below display.

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software



Set Supervisor / User Password

Password prevents unauthorized use of your computer. If you set a password, the system prompts for the correct password before boot or access to setup. The main difference between Supervisor Password and User Password is the privilege. Because Supervisor Password allows you to modify all CMOS setup but User password only some of them.
Their steps all as follows:

1. Highlight the item Set Supervisor Password / Set User Password on the main menu and press ENTER.
2. The password dialog box will appear.
3. If you are installing a new password, carefully type in the password. Press ENTER after you typed in the password. If you are deleting a password that is already installed just press ENTER when the password dialog box appears.
4. The system will ask you to confirm the new password by asking you to type it in a second time. Carefully type the password again and press ENTER, or just press ENTER if you are deleting a password that is already installed.
5. If you typed the password correctly, the password will be installed.

[NOTE]

If you forget your password, or you want to cancel your password, you can do the steps as the following:

(1) Password forgotten:

i. Turn off the system.
ii. Short JP2 at Pin 2-3 for a few seconds to clear CMOS.
iii. Set the JP2 back to Pin 1-2.
iv. Power on the system.

(2) Clear Password:

Clear your password by key in the password you installed before, then go to password setting to press ENTER twice.

Save & Exit Setup

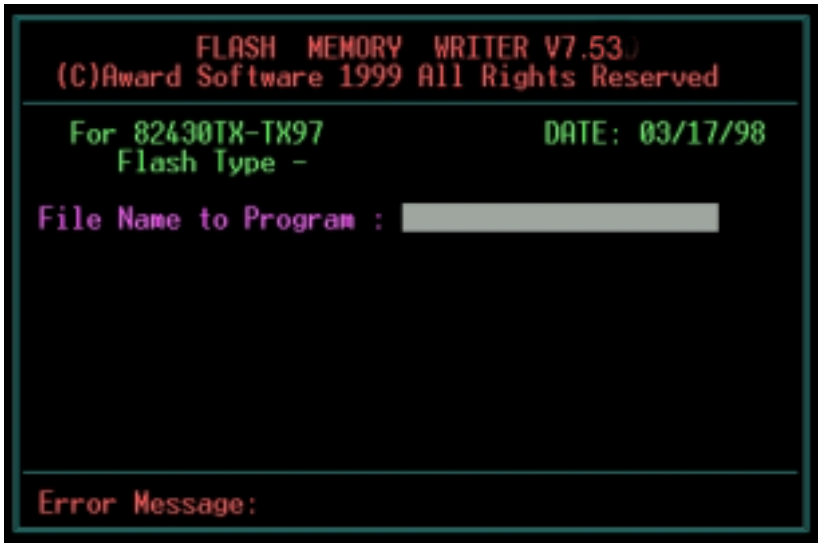
Highlight this item and press ENTER to save the changes that you have made in the setup utility and exit the setup program. When the Save and Exit dialog box appears, press <Y> to save and exit, or press <N> to return to the setup main menu.

Exit Without Saving

Use this option to exit setup utility without saving the CMOS value changes.

How to Update Your Motherboard's BIOS?

1. Create a bootable system floppy disk by typing [FORMAT A:/S] from the DOS prompt without creating **"AUTOEXEC.BAT"** and **"CONFIG.SYS"** files.
2. Copy AWDFLASH.EXE to the just created boot disk.
3. Download an updated **EUPA BIOS** file from the Internet and save to the disk you created earlier.
4. Boot from the disk you created earlier.
5. At the "A:\" prompt, type AWDFLASH and then press <Enter>. The screen will displays the following window:



6. Type the new BIOS filename and the path, for example, A:\VXA.BIN and then press <Enter>. Then prompt: Do you want to save BIOS?(Y/N) Press <Y> to save current BIOS to file.Type the file name to save, then press <Enter>. Prompt: Now backup system BIOS TO file!

7. After the backup,prompt: Are you sure to program?(Y/N) Press <Y> to start to program the new BIOS information into the flash ROM. When the programming isfinished.You may press <F1> to reset the PC or <F10> to Exit the AWDFLASH.

WARNING!!!

If you encounter problems while updating the new BIOS, DO NOT turn off your system since this might prevent your system from booting up. Just repeat the process, and if the problem still persists, update the original BIOS file you saved to disk above. If the Flash Memory Writer utility was not able to successfully update a complete BIOS file, your system may not be able to boot up. If this happens, your system will need service.

NOTE!!!

The previous screen displays are provided as example only and may not reflect the screen contents displayed on your system.

Chapter 4
Software Utility

The support software for this motherboard is supplied in a CD. All the support programs are stored in separate folders, so you can find the program you need easily enough. We recomend you to choose the program which you need most, it will assist your computer system to high performance.

Note: **For update driver, please visit EUPA web site: *www.eupacomputer.com*.**

Installing Interface

After you insert CD driver, it runs automaticly and appear the interface as below:

Choose the language and interface you need.

Software Utility

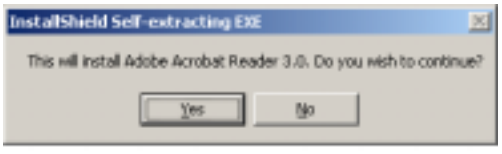
Installing Driver Location:

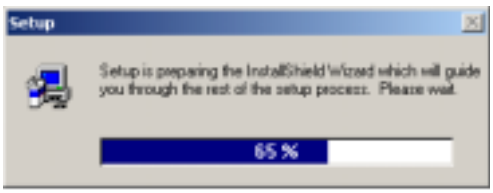
Insert CD Driver to the CD-ROM, driver runs by itself, and appear the following interface, please refer to the procedure, then finish installing. ISZ provides you the following Installing Driver:

Intel Video Driver Location:	**/VIDEO/815VGA**
Intel815 Chipset Driver Location:	**/IDE/815/CHIPSET**
IDE DMA66 Driver Location:	**/IDE/815/UltraATA**
Audio Driver Location:	**/AUDIO/4299**
LAN Driver Location:	**/LAN**

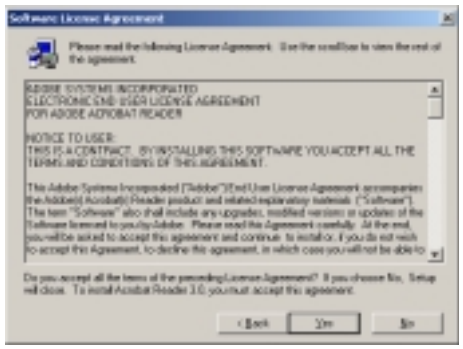
Installing ADOBE Acrobat Read Driver

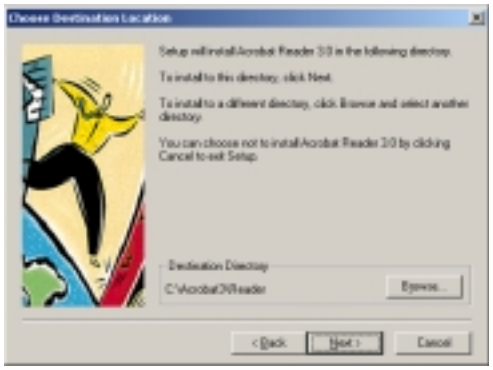
Insert CD Driver to the CD-ROM, driver runs by itself, and appear the following interface, please refer to the procedure, then finish installing.



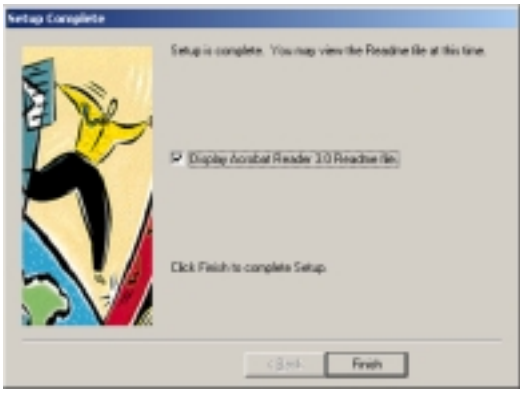


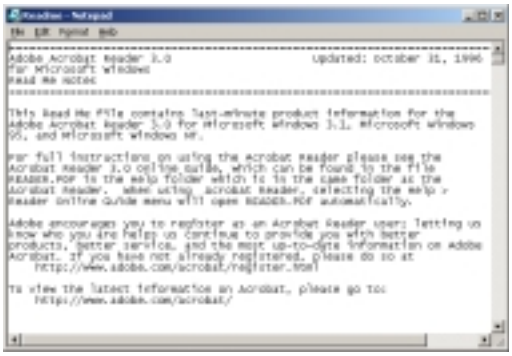

Adobe Acrobat 3.0 Setup


Software License Agreement
ADOBE SYSTEMS INCORPORATED
ELECTRONIC END USER LICENSE AGREEMENT
FOR ADOBE ACROBAT READER
NOTICE TO USER:
THIS IS A CONTRACT. BY INSTALLING THIS SOFTWARE YOU ACCEPT ALL THE TERMS AND CONDITIONS OF THIS AGREEMENT.
< Back
Yes
No


Choose Destination Location
Setup will install Acrobat Reader 3.0 in the following directory.
To install to this directory, click Next.
To install to a different directory, click Browse and select another directory.
You can choose not to install Acrobat Reader 3.0 by clicking Cancel to exit Setup.
Destination Directory
C:\Acrobat3\Reader
Browse...
< Back
Next >
Cancel


Adobe Acrobat 3.0 Setup


Setup Complete
Setup is complete. You may view the Readme file at this time.
Display Acrobat Reader 3.0 Readme file.
Click Finish to complete Setup.
< Back
Finish


Readme - Notepad
File Edit Format Help
Adobe Acrobat Reader 3.0
Updated: October 31, 1996
for Microsoft Windows
Read Me Notes
This Read Me file contains last-minute product information for the Adobe Acrobat Reader 3.0 for Microsoft Windows 3.1, Microsoft Windows 95, and Microsoft Windows NT.
For full instructions on using the Acrobat Reader please see the Acrobat Reader 3.0 online guide, which can be found in the file READER.PDF in the Help folder which is in the same folder as the Acrobat Reader. When using Acrobat Reader, selecting the Help > Reader Online Guide menu will open READER.PDF automatically.
Adobe encourages you to register as an Acrobat Reader user; letting us know who you are helps us continue to provide you with better products, better service, and the most up-to-date information on Adobe Acrobat. If you have not already registered, please do so at
http://www.adobe.com/acrobat/register.html
To view the latest information on Acrobat, please go to:
http://www.adobe.com/acrobat/


Adobe Acrobat 3.0 Setup
Setup is Complete!
Thank you for choosing Acrobat Reader 3.0!
OK

This Page Is Left For Note