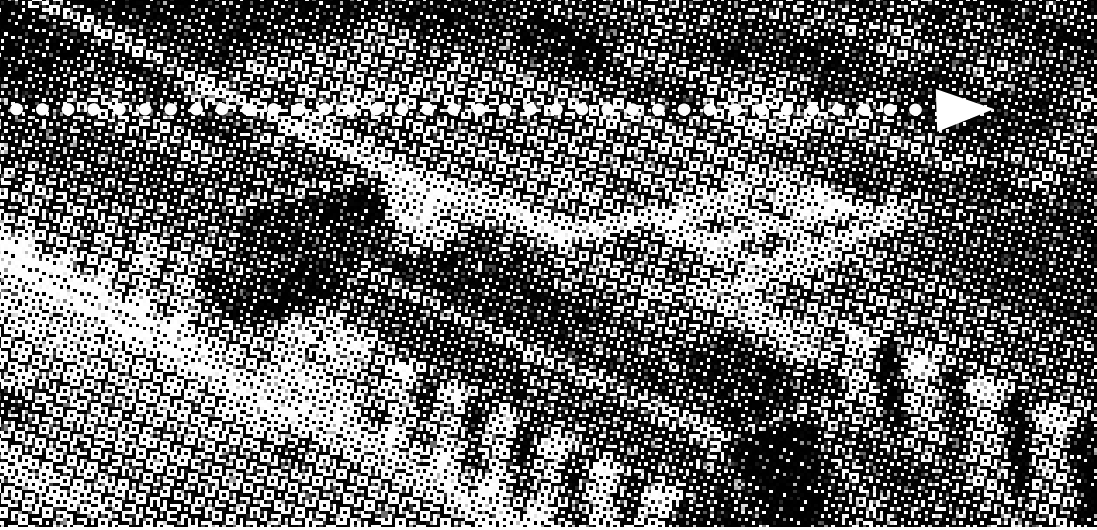

USER'S MANUAL

More compatible, more functional and more competitive.
Excellent quality and faster response.

Supporting Intel PENTIUM III® FCPGA, Celeron® FC-PGA/PPGA Socket 370 Processors, UDMA33/66/100, PC133 SDRAM, Integrated VGA

Graphic Controller.

Quality, Performance Mainboards

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Manual Revision: 3.00 Release Date: August 2001

Part No: 90-TXPLE3-00-00

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Overview

Thank You for purchasing our High Performance Mainboard. Our advanced technology mainboard is designed for processing speeds of 900MHz or above and is upgradeable for future processors.

The VIA Mainboard Utilizes VIA's VT8601A and VT8231 chipset provide an integrated Bus Mastering IDE controller with two high performance IDE interfaces for up to four UDMA IDE devices (hard drives, or CD-ROM's). It's I/O controller integrates floppy drive interface, One FIFO serial ports, one parallel port and Consumer Infra Red compatible interface.

VIA VT8601A Chipset Support Intel Pentium III® FCPGA, Celeron® FC-PGA/PPGA Processors on Socket 370 with 66/100/133MHz Processor Front-side Bus. Support PC100 & PC133 SDRAM DIMM.

AGP Graphics Controller Integrated inside VIA VT8601A Chipset. Dynamic Graphics Memory Allocation on System Memory. 64-bit Single Cycle 2D/3D Graphics Engine. Supports 2 to 8 Mbytes of Frame Buffer. Real Time DVD MPEG-2 and AC-3 Playback. Extended Screen Resolutions up to 1600x1200. Extended Text Modes 80 or 132 columns by 25/30/43/60 rows. Full Support for Microsoft Direct 3D and Direct Draw.

Two DIMM slots support up to 512MB Memory Capacity. Four USB ports support USB Devices. WAKEUP-LINK Header support Intel Wake-On-LAN.

Integrated LSI 80225 LAN PHY supports 10/100M Ethernet (Only for TX-PLE).

Integrated AC97 2.1 Compliant Codec with 3D Stereo enhancement (optional). Award 2Mbit BIOS, PC99/ACPI/DMI Compliant.

Baby AT 220 mm x 170mm.

Fast Start Installation

This section will aid you in quickly setting up the Mainboard. Be sure to take caution to avoid personal injury or damage to wiring due to sharp pins on connectors, printed circuit assemblies, rough edges and corners and hot components.

Your Location Requirements Are:

- A sturdy, level surface for placement
- Space allowance around mainboard
- A stable environment with no abrupt temperature or humidity changes
- No exposure to chemicals or direct sunlight
- Line voltage and frequency not varying more than + or -10% from the value stated on the package or nameplate (located on the back, opposite the power plug)

Checking The Package Contents

Remove the items from the box and make sure you have the following items before beginning. If any of the items below are missing , please contact the representative for part replacement.

Baby AT Box Standard Package

1) Mainboard

2) CD

3) User Manual

4) IDE Hard Drive Ribbon Cable

5) Floppy Drive Ribbon Cable

6) COM & LPT Cable

7) USB Cable for onboard **USB Header (Optional)**

8) Audio/Game Cable

9) LAN Module (Only for TX-PLE Optional)

10) VGA Cable

11) PS/2 Cable

Before we begin installing your series Mainboard, we have provided you with a diagram of the Mainboard to help you locate the appropriate “connectors”. The letters below describe the key Mainboard components. Page number in the right hand column will direct you to detailed description of the component.

TX-PLE / TX-PLE-SE

Option : AC97 2.1 Compliant 3D Audio

Onboard

COMPONENT	PAGE
A- AT Keyboard Connector	38
a- PS/2 Mouse Connector	38
B- ATX Power Supply Connector	38
b- AT Power Supply Connector	39
C- Universal Serial Bus (USB) Header 1	39
c- Universal Serail Bus (USB) Header 2	39
D- Serial (COM1) Header	39
E- Infra-Red (IR) Connector	40
F- Memory Module Sockets	40
G- Parallel Port Header	40
g- LAN Speed Header(Only for TX-PLE)	40
h- LAN Duplex Header(Only for TX-PLE)	40
I- Lithium Battery	41
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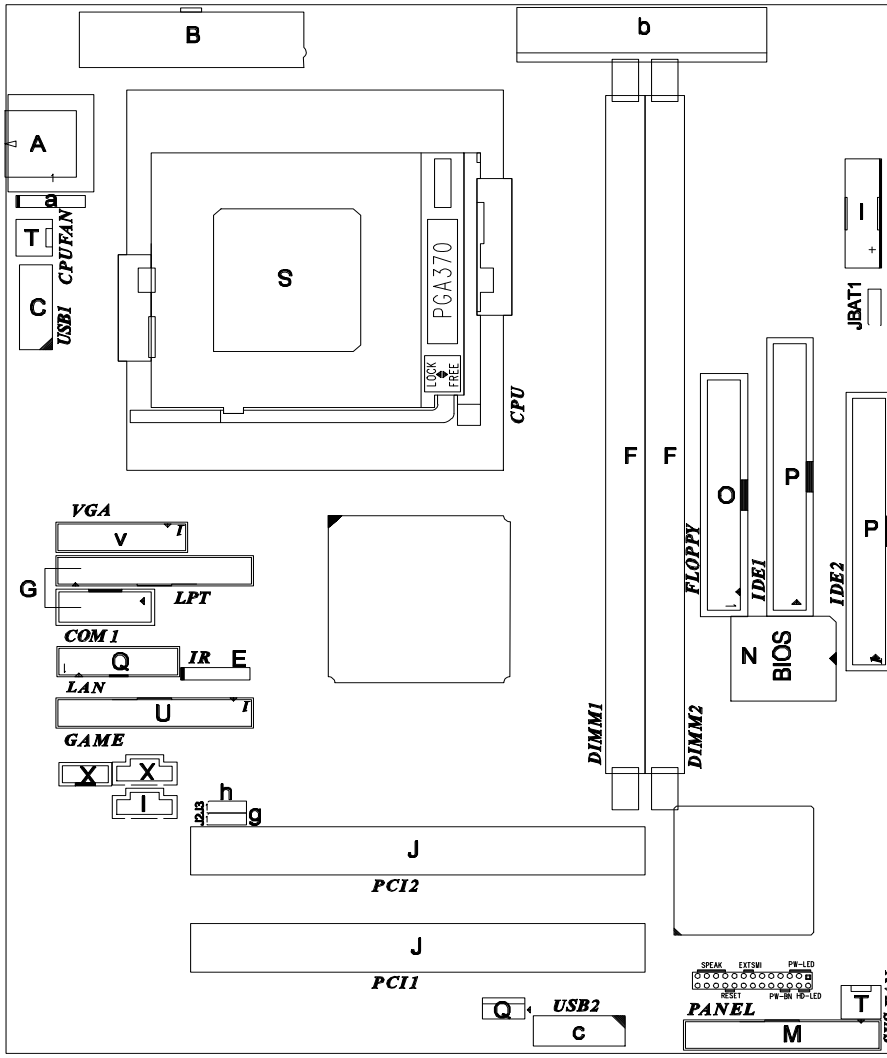
Mainboard Diagram



Jumper Settings

Clear CMOS

Set the Jumper JBAT1 to [2-3] to clear CMOS
Remember: Please set it back to normal [1-2] after clear CMOS

LAN Speed Setting(Only for TX-PLE)

J2 to	[1-2]	10M
	[2-3]	100M

LAN Duplex Setting(Only for TX-PLE)

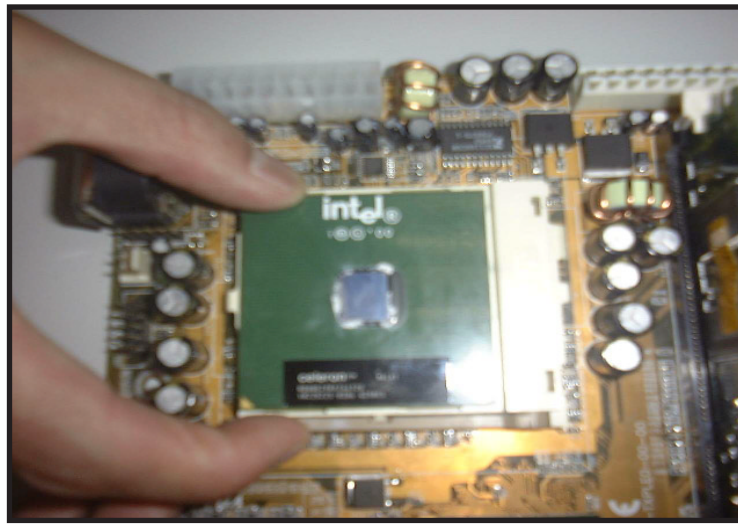
J3 to	[1-2]	Half Duplex
	[2-3]	Full Duplex

8 Quick Steps

Please follow these steps in order to assure your series Mainboard installation is successful. Please refer to the back chapters for further information regarding boot-up and configurations. An anti-static wrist band is recommended when handling electronic components, be sure your work area is static free before you begin this section

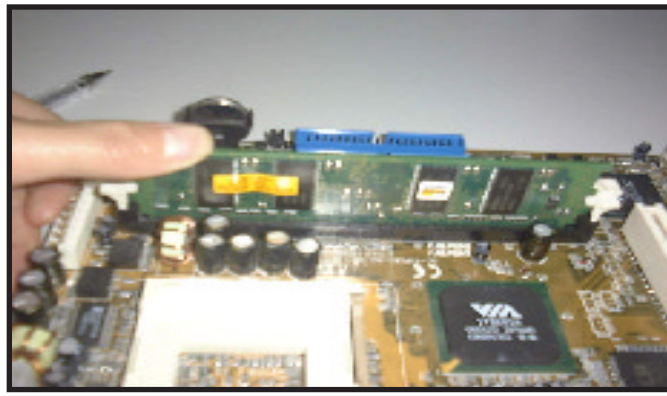
1 Installing the Central Processing Unit (PGA CPU)

The mainboard provides a 370 pins, Socket 370. The CPU should have a fan attached to prevent overheating. If a fan is not present, user should purchase a fan prior to turning on the system. The recommended heatsinks for the Socket 370 processor are those with three-pin fans that can be connected to the fan connectors on the mainboard. It provides the +12 Volts D.C. for your CPU cooling fan.



2 Installing the memory

Memory is installed in DIMM Sockets 1-2 (F in diagram) as follows :



After you have set the DIMM firmly into its socket, snap the white chip holders up to lock in the DIMM.

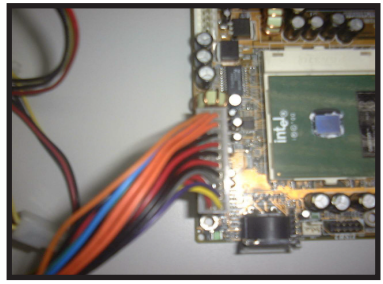
3 Attaching the power supply ribbon cable

IMPORTANT: Ribbon cables should always be connected with the red stripe on the Pin 1 side of the connector. The four corners of the connector's are labeled on the motherboard.

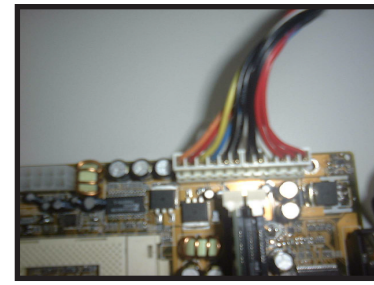
ATX Power Connector.

ATX Power Supply Connector (20-pin ATXPWR)

The single 20-pin connector (B in diagram) incorporates standard +/-5V and +/-12V, with a standby 5V. With a power supply that supports remote power on/off, the mainboard can turn off the system power through the software control, such as the shutdown in Windows Start Menu. The BIOS system will turn the system power off when it receives the proper APM command from the OS. APM must be enabled in the BIOS and OS systems in order for the soft-off feature is to work properly.



ATX Power Connector



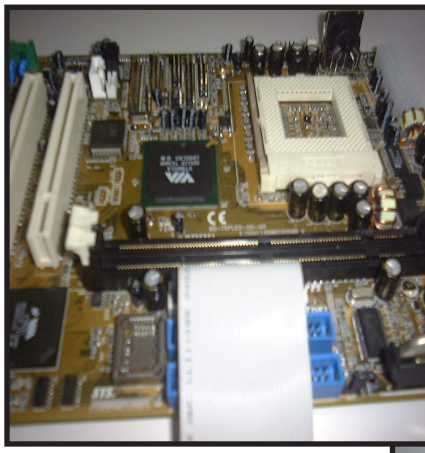
AT Power Connector

Or AT Power Connector

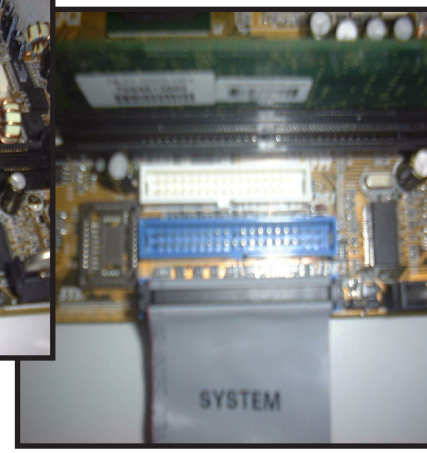
A 12-Pin power supply provides two plugs incorporates standard +/- 5V and +/- 12V, each containing six wires, two of which are black. Orient the connectors so that the black wires are together.

4 Floppy Disk Drive Connector (34-pin FLOPPY).

This is a 34-pin connector that supports the provided floppy drive ribbon cable. After connecting the single end to the on-board “FLOPPY” connector, (O in diagram) connect the remaining plugs on the other end to the corresponding floppy drives.



Floppy connection



IDE connection

5 IDE Connector.

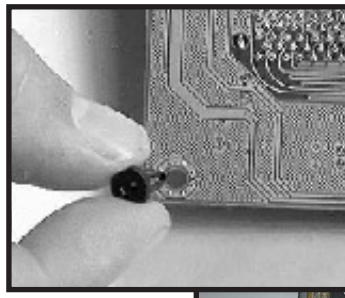
The on-board IDE connectors (P in diagram)support the provided 40/80 pin IDE hard disk ribbon cable. After connecting the single end to the mainboard, connect the remaining plugs at the other end of your hard disk(s). If you install hard disks, you must configure the drives by setting its jumpers according to the documentation of your hard disk.

Also, you may connect the hard disk drives so that both become Masters, using one ribbon cable on the primary IDE-connector, and the other on the secondary IDE connector.

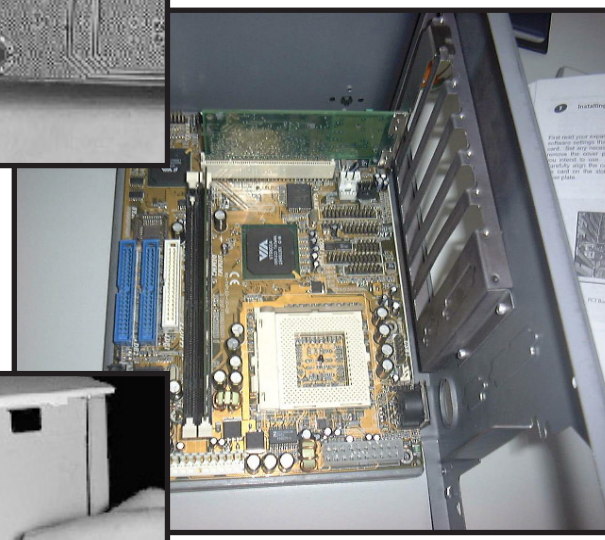
NOTE: For the flat ribbon cable connection, please make sure that the pin 1 of the ribbon cable (the red wire side of the cable) is correctly connected to the on-board connector's pin 1 as shown on the “Mainboard Diagram”.

6 Installing the mainboard into your computer chassis

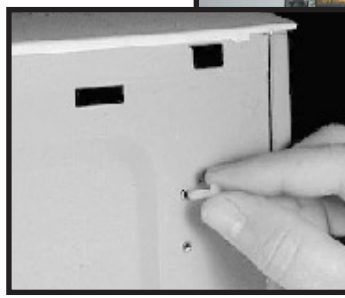
Snap black mounting pins onto the mainboard as shown. Carefully install the mainboard into the computer chassis and align the corresponding mounting holes on the mainboard with the holes on you chassis. *While chassis design varies you may need to refer to the chassis manual for the mainboard mounting area.* Insert white pins through the chassis and through the mounting holes on the mainboard into the black pin making sure they have snapped fully into place.



Black mount pin



Insert into chassis

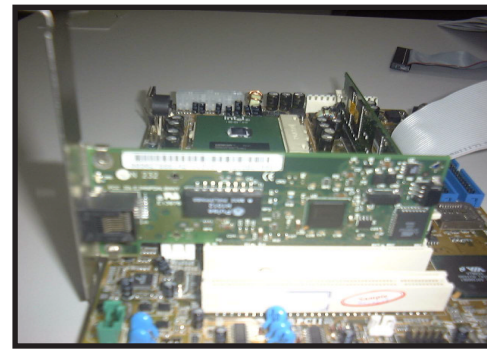


Insert White mount pin

7 Installing PCI Add-in Boards

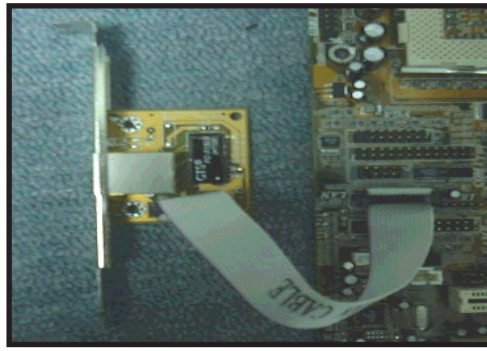
First read your expansion card documentation for hardware and software settings that may be required to set up your specific card. Set any necessary jumpers on your expansion card and remove the cover plate on your computer case at the slot you intend to use. Keep the plate for possible future use. Carefully align the card's connector's and press firmly. Secure the card on the slot with the screw you removed from the cover plate.

PCI Board Installation



8 Installing LAN Module CARD (Only for TX-PLE Optional)

LAN Connector on the Module CARD connects to connector "q" on TXPLE Mainboard,Enter CMOS setup enable onboard LAN.Then install LAN driver in the driver CD.

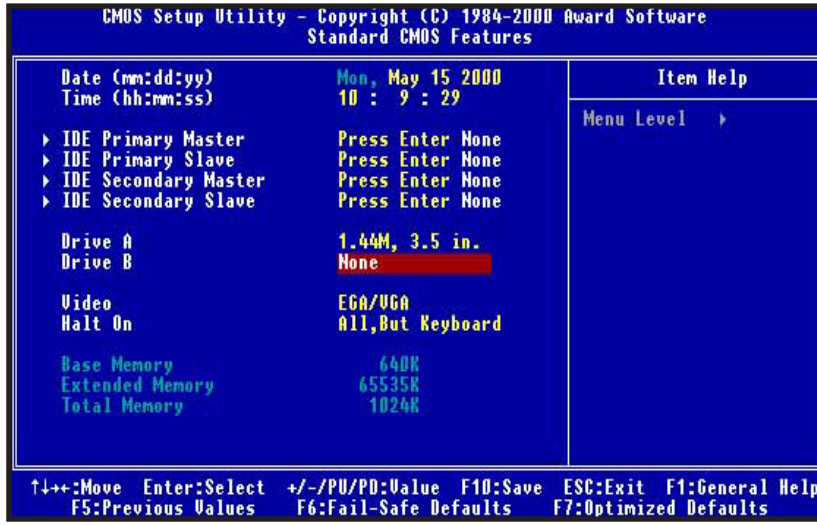


LAN Module Installation

BIOS Setup

Award BIOS Setup

Standard CMOS Features	Sets time, date, hard disk type, types of floppy drive, Monitor type, and if keyboard is installed.
Advanced BIOS Features	Sets Typematic Rate and Delay, Above 1 MB Memory Test, Memory Test Tick Sound, Hit <Del> Message Display, System Boot Up Sequence, and many others.
Advanced Chipset Features	Sets chipset-specific options and features.
Integrated Peripherals	Controls I/O Controller- related options.
Power Management Setup	Controls power savings options.
PnP/PCI Configurations	Sets options related to PCI bus and Plug and Play options.
PC Health Status	Display CPU or System Temperature, Fan Speed
Load Fail-Safe Defaults	Load Fail-Safe Defaults
Load Optimized Defaults	Load Optimized Defaults
Set Supervisor Password	Change/Set/Disable Password
Set User Password	Change/Set/Disable Password
Save & Exit Setup	Save Data to CMOS
Exit Without Saving	Abandon all Saving



Standard CMOS Features

Select the BIOS Setup options by choosing Standard CMOS Features from the BIOS. Standard Setup options are described below.

Date (mm:dd:yy) - Setting for the system Date

Time (hh:mm:ss) - Setting for the system Time.

Primary Master
Primary Slave
Secondary Master
Secondary Slave

Select these options to configure the drive named in the option. The BIOS automatically configure the drive. A screen with a list of drive parameters appears.

Floppy Drive A: and B:

Move the cursor to these fields and select the floppy type. The settings are 360 KB 5.25 inch, 1.2 MB 5.25 inch, 720 KB 3.5 inch,1.44MB 3.5 inch, or 2.88 MB 3.5 inch.

Video

The category selects the type of video adapter used for the primary system monitor.

EGA/VGA	Enhanced Graphics Adapter/;Video Graphics Adapter. For EGA, VGA, SEGA, SVGA or PGA monitor adapters.
CGA 40	Color Graphics Adapter, power up in 40 column mode.
CGA 80	Color Graphics Adapter, power up in 80 column mode
MONO	Monochrome adapter, includes high resolution monochrome adapters

Halt On

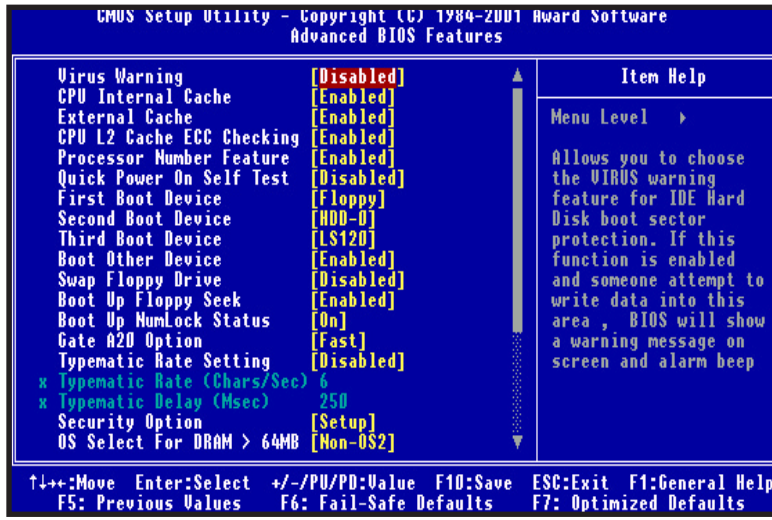
The category determines whether the computer will stop if an error is detected during power up.

No error	The system boot will not be stopped for any error that may be detected.
All errors	When ever the BIOS detects a non-fatal error the system will be stopped and you will be prompted.
All, But Keyboard	The system boot will not stop for a keyboard error; it will stop for all other errors.
All, But Diskette	The system boot will not stop for a disk error; it will stop for all other errors.
All But Disk/Key	The system boot will not stop for a keyboard or disk error; it will stop for all other errors.

Memory

The category is display-only which is determined by POST (Power On Self Test) of the BIOS.

Base Memory	The POST will determine the amount of base (or conventional) memory installed in the system.
Extended Memory	The BIOS determines how much extended memory is present in the system.



Advanced BIOS Features

Virus Warning

You can “Enable” or “Disable” this feature. When enabled, BIOS will activate automatically if anything attempt to access the boot sector or hard disk partition table during system boot-up. The default value is “Disabled”.

CPU Internal Cache

This category enables or disables the CPU internal cache to speed up memory access. The default value is “Enabled”.

External Cache

This category enables or disables the secondary level (L2) cache to speed up memory access. The default value is “Enabled”.

CPU L2 Cache ECC Checking

This category enables or disables the CPU L2 cache ECC Checking procedure. The default value is “Enabled”.

Processor Number Feature

This category enables or disables the Processor Number Feature.

Quick Power On Self Test

This category speeds up Power On Self Test (POST) after you power on the computer. If it is set to “Enabled”, BIOS will shorten or skip some check items during POST. The default value is “Disabled”.

First / Second / Third Boot Device
This feature allows you to select the system first boot device. The options are Floppy, LS120, HDD-0, SCSI, CD-ROM, HDD-1, HDD-2, HDD-3, ZIP100, LAN, Disabled.

Boot Other Device
This feature allows you to system to select other boot device automatically.

Swap Floppy Drive
This feature allows you to enable the system swap floppy function, the default is “Disabled”. When this function enables, the system will assign the Drive A as Drive B, and vice versa.

Boot Up Floppy Seek
The default setting is “Enabled”, so that the BIOS will search for floppy disk drive during boot up. If disabled, BIOS will not search for the type of floppy disk drive by track number. Note that there will be no warning message if the drive installed is 360K.

Boot Up NumLock Status
It determines the Num-Lock LED on keyboard is turned on/off. When the system is powered on so that the end user can use the arrow keys on both the numeric keypad and the keyboard. The default value is “On”.

Gate A20 Option
This entry allows you to enable the A20 address line access. The default is "FAST".

Typematic Rate Setting
Typematic Rate sets the rate at which characters on the screen at which characters on the screen repeat. The default setting is "Disabled".

Typematic Rate (Chars/Sec)
Typematic rate sets the rate at which characters on the screen repeat when a key is pressed and held down. You can select 6-30 characters per second. The default setting is “6”.

Typematic Delay (M sec)
When holding down a key, the time between the first and second character display, this option specifies the numbers of times of character repeat on the screen. The default setting is “250”.

Security Option
This option limit the access to the system and Setup or just to Setup. When you select "System", the system will not boot and access to CMOS Setup. A correct password must enter at the prompt. The default setting is “Setup”.

OS Select For DRAM > 64MB

Some the OS/2 application access the memory in different mode. Enable this option to allow the system use another mode to access the main memory for OS/2 applications. Report No Floppy Disk For Windows 95.

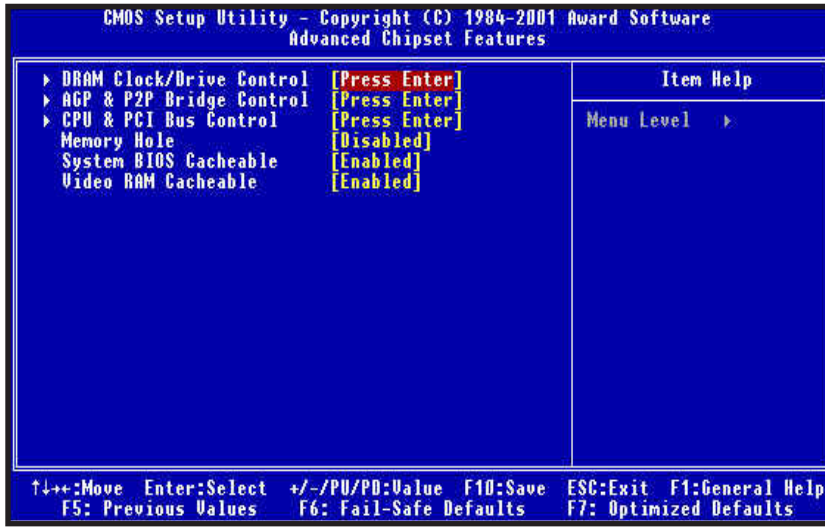
The system will report floppy disk status to Windows 95 if setting is "Yes".

VIDEO BIOS Shadow

The system BIOS is automatically shadowed. The default setting for the “Video BIOS Shadow” is “Enabled”. It determines whether video BIOS will be copied to RAM. However, it is optional from chipset design. Video Shadow will increase the video speed.

C8000 - CBFFF Shadow/DC000 - DFFFF Shadow

These categories determine whether optional ROM will be copied to RAM by 16K byte. You can enable the optional shadow or you can disable it. The default setting is disabled.



Advanced Chipset Features

DRAM Clock / Drive Control

This item allows you to modify the SDRAM Cycle Length. Enable / Disable DRAM Timing By SPD, modify the SDRAM Clock. Disable / Enable Bank Interleare. If problem appears after changing these options, please power off the system, and clear the cmos. Then power on the system with loading the "Load Optimied Defaults".

AGP & P2P Bridge Control

These submenu allow you to modify

AGP Aperture size, The Choices : 4M, 8M, 16M, 32M, 64M, 128M, 256M.

AGP Master 1 WS Write, Enabled / Disabled

AGP Master 1 WS Read, Enabled / Disabled

CPU & PCI Bus Control

These submenu allow you to Enable / Disable P2C/C2P Concurrency, Fast R-W Turn Around, CPU to PCI Write Buffer, PCI to PCI Write Buffer, PCI Dynamic Bursting, PCI Master A00 WS Write, PCI Delay Transaction, PCI#2 Access #1 Retry.

Memory Hole

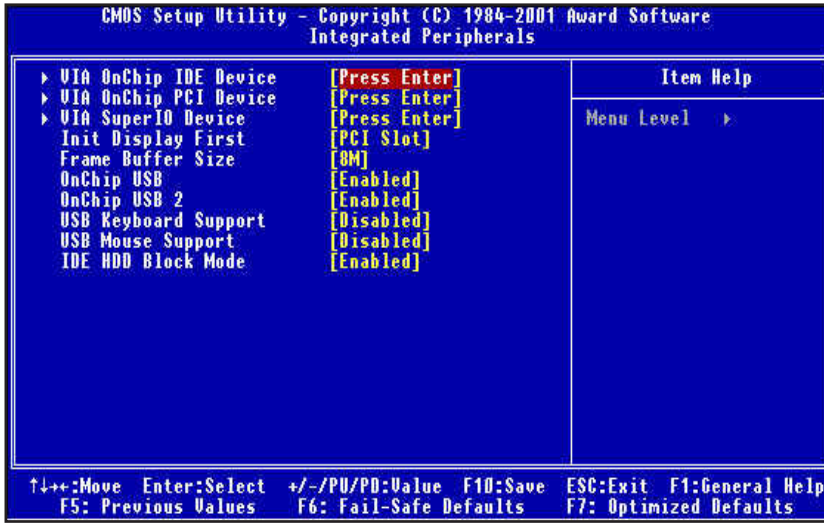
In order to improve performance, certain space in memory is reserved for ISA cards. This memory must be mapped into the memory space below 16MB.
The choices: 15M-16M, Disabled.

System BIOS Cacheable

Selecting "Enabled" allows caching of the system BIOS ROM at F0000h-FFFFFh, resulting in better system performance. However, if any program writes to this memory area, a system error may result.
The choices: Enabled, Disabled.

Video RAM Cacheable

Select "Enabled" allows caching of the video RAM, resulting in better system performance. However, if any program writes to this memory area, a system error may result.
The choices : Enabled, Disabled.



Integrated Peripherals

VIA OnChip IDE Device

This submenu allows you to modify the onboard IDE Channel 0 & 1 functions.

OnChip IDE Channel 1 / 0

The chipset contains a PCI IDE interface with support for two IDE channels. Select "Enabled" to activate the secondary IDE interface. Select "Disabled" to deactivate this interface. The choices: Enabled, Disabled.

IDE Prefect Mode

The onboard IDE drive interfaces supports IDE prefetching for faster drive accesses. If you install a primary and/or secondary add-in IDE interface, set this field to "Disabled" if the interface does not support prefetching. The choices: Enabled, 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.

IDE Primary/Secondary Master/Slave UDMA

Ultra DMA/33/66/100 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/33/66/100 select "Auto" to enable BIOS support. The choices : Auto, Disabled.

VIA Onchip PCI Device

This submenu allows you to modify the onboard integrated PCI Device functions.

VIA-3058 AC97 Audio

This option allows you to control the onboard AC97 audio.

VIA-3043 onchip LAN

This item allows you to Enable / Disable the onboard LAN.

VIA Super IO Device

These submenu allows you to modify the onboard I/O function.

Init Display First

This item allows you to decide to activate PCI Slot or AGP first. The choices : PCI Slot, AGP.

Frame Buffer Size

This item allows you to control the VGA frame buffer size. The choices: 2M, 4M, 8M.

Onchip USB

This item allows you to Enable / Disable the onboard USB Device.

USB Keyboard Support

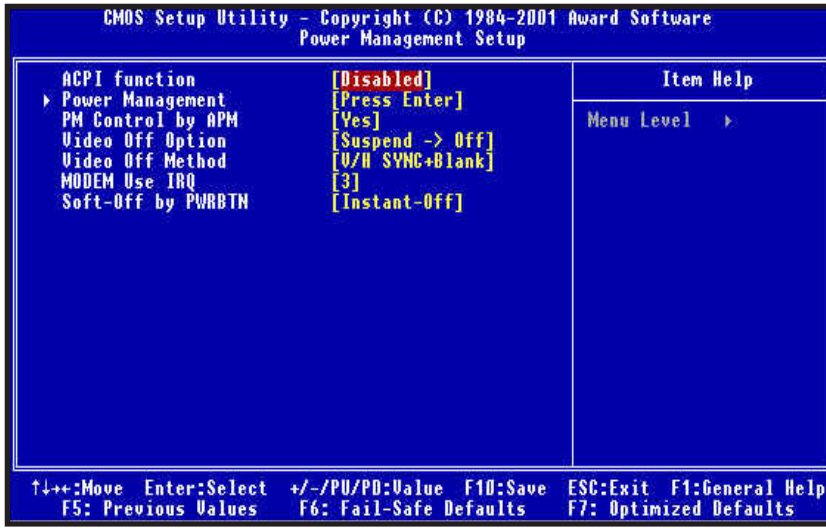
This option is enabled to support USB keyboard / mouse.

IDE HDD Block Mode

This allows your hard disk controller to use the fast block mode to transfer data to and from your hard disk drive (HDD).

Enabled IDE controller uses block mode.

Disabled IDE controller uses standard mode.



Power Management Setup

Power Management

This category allows you to select the type (or degree) of power saving and is directly related to the following modes:

1. HDD Power Down
2. Doze Mode
3. Suspend Mode

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

Disable (default)	No power management. Disables all four modes.
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.

PM Control by APM

When enabled, an Advanced Power Management device will be activated to enhance the Max. Power Saving mode and stop the CPU internal clock. If Advance Power Management (APM) is installed on your system, selecting Yes gives better power savings.
If the Max. Power Saving is not enabled, this will be preset to No.

Video OFF Option

When enabled, this feature allows the VGA adapter to operate in a power saving mode.

Always On	Monitor will remain on during power saving modes.
Suspend --> Off	Monitor blanked when the systems enters the Suspend mode.
Susp,Stby --> Off	Monitor blanked when the system enters either Suspend or Standby modes.
All Modes --> Off	Monitor blanked when the system enters any power saving mode.

Video OFF Method

This determines the manner in which the monitor is blanked.

V/H SYNC+Blank and	This selection will cause the system to turn off the vertical horizontal synchronization ports and write blanks to the video buffer.
Blank Screen	This option only writes blanks to the video buffer.
DPMS	Select this option if your monitor supports the Display Power Management Signaling (DPMS) standard of the Video Electronics Standards to select video power management values.

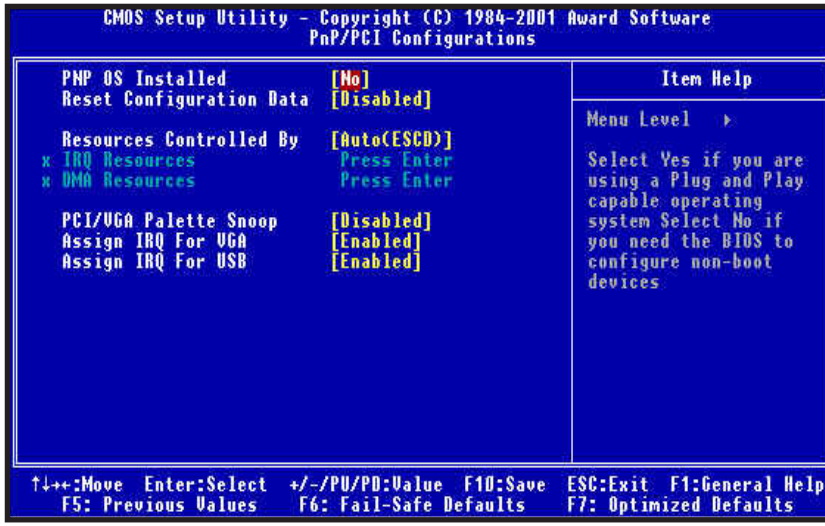
MODEM Use IRQ

This determines the IRQ in which the MODEM can use.

The choices: 3, 4, 5, 7, 9, 10, 11, NA.

Soft-Off by PWRBTN

Pressing the power button for more than 4 seconds forces the system to enter the Soft-Off state when the system has “hung.”.
The choices: Delay 4 Sec, Instant-Off.



PnP / PCI Configurations

PNP O/S Installed

This item allows you to determine PnP OS is installed or not. The choices : Yes, No.

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 choices : Enabled, Disabled.

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 Windows98.

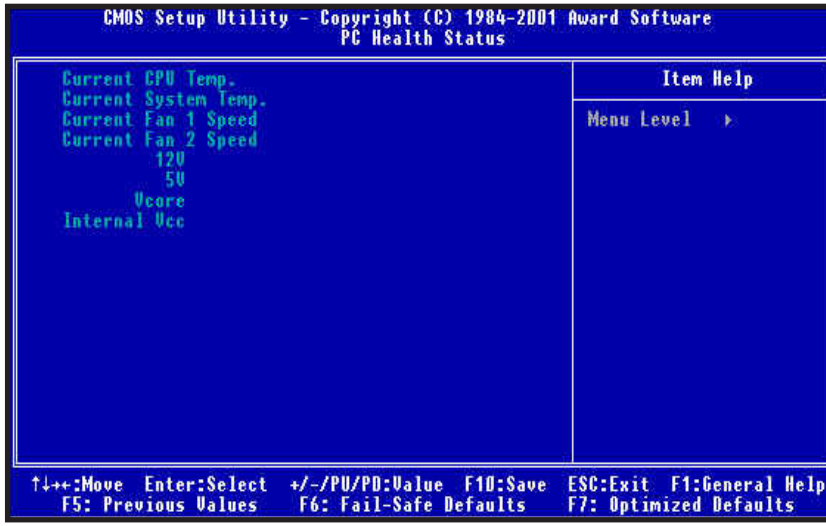
The choices : Auto, Manual.

PCI VGA Palette Snoop

Leave this field at Disabled. Choices are Enabled, Disabled.

Assign IRQ For USB / VGA

Enable / Disable to assign IRQ for USB/VGA. Choices are Enabled, Disabled.



PC Health Status

Current CPU Temp. / Current System Temp.

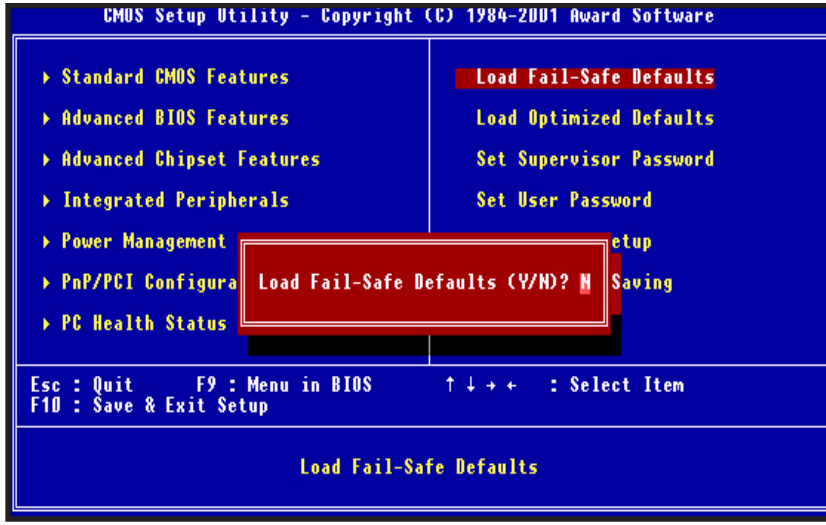
Detect CPU and System temperature automatically.

Corrct FAN1 / FAN2 Speed

Detect Fan Speed Status automatically.

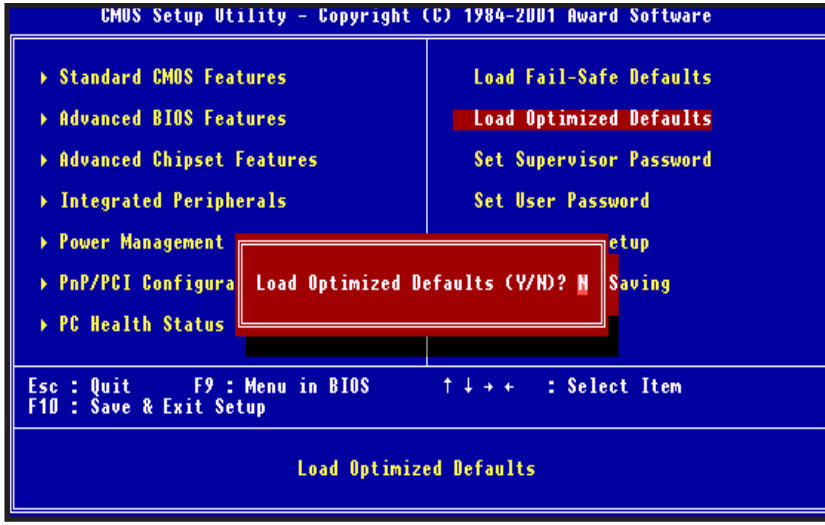
12V / 5V / Vcore / Internal Vcc

Detect System Voltages status automatically.



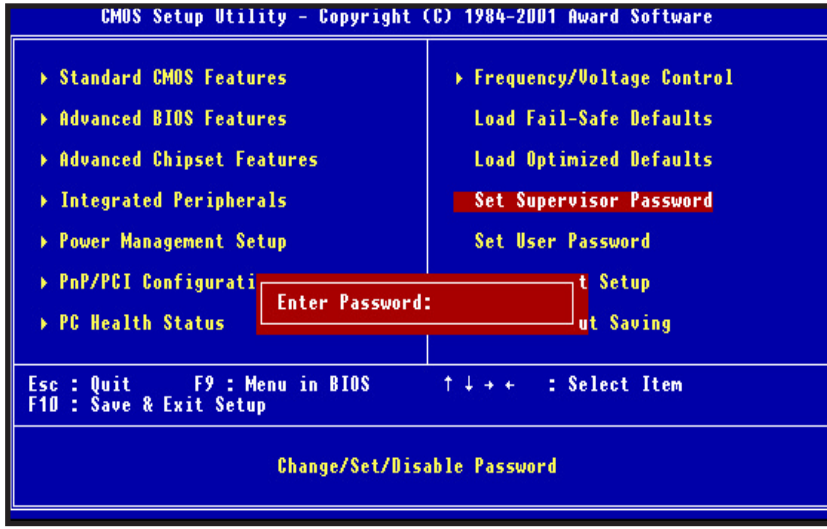
Load Fail-safe Defaults

Fail-safe defaults contain the most appropriate values of the system parameters that allow minimum system performance.



Load Optimized Defaults

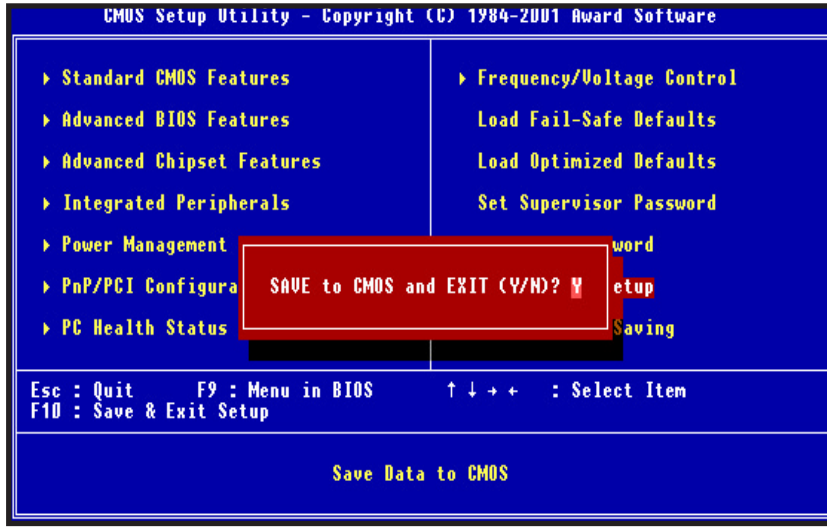
Selecting this field loads the factory defaults for BIOS and Chipset Features which the system automatically detects.



Set Supervisor / User password

When you select this function, the following message will appear at the center of the screen to assist you in creating a password.

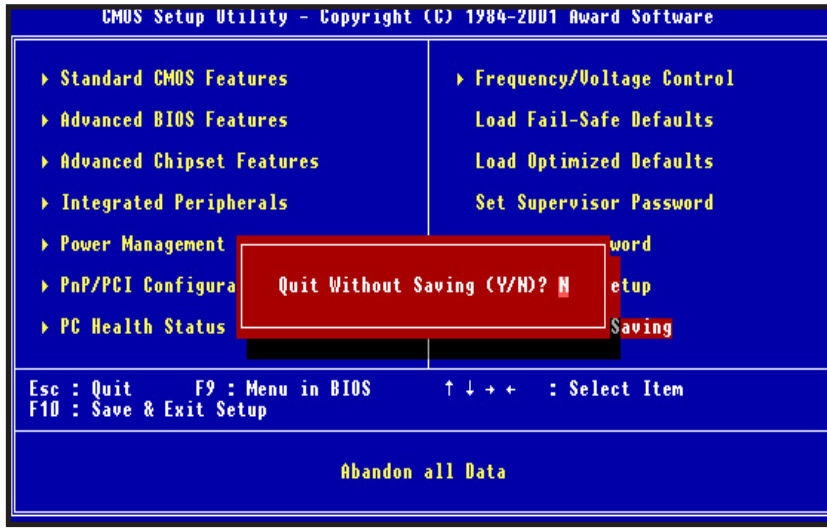
Type the password, up to eight characters and press<Enter>. The new password will clear the previously entered password from CMOS Memory, you will be asked to confirm the Password. Type the password again and press <Enter>.



Save & Exit Setup

Type "Y" will quit the Setup Utility and Save the user setup value to RTC CMOS.

Type "N" will return to Setup Utility.



Exit Without Saving

Type "Y" will quit the Setup Utility and Without Saving the User setup Value.

Type "N" will return to Setup Utility.

Glossary

Glossary

A AT Keyboard Connector

The Mainboard provides a on-board AT Keyboard Connector.

a PS/2 Mouse Connector

The Mainboard provides a on-board PS/2 Connector for the PS/2 mouse.

B ATX Power Supply Connector

The Mainboard provides a single 20-pin ATX power supply connector, which incorporates standard +5V and +12V, 3.3V and soft-on/off signals. With a power supply that supports remote power on/off, the mainboard can turn off the system power through software control, such as the shutdown command in the Windows 95 Start Menu. The BIOS system will turn the system power off when it receives the proper APM command from the OS. APM must be enabled in the BIOS and OS systems in order to said the soft-off feature working properly.

Pin	Signal Name	Pin	Signal Name
1	+3.3V	11	+3.3V
2	+3.3V	12	-12V
3	Ground	13	Ground
4	+5V	14	PW_ON
5	Ground	15	Ground
6	+5V	16	Ground
7	Ground	17	Ground
8	PWRGOOD	18	-5V
9	+5VSB	19	+5V
10	+12V	20	+5V

About the Soft Touch Power Button

In an ATX based system, the new soft touch power button replaces the main power switch that turns your system on and off. From an OFF state, you can switch the system ON by simply pressing the power button. From an ON state, the system can be turned OFF by pressing and holding the power button for four (4) seconds OR shunt down instantly. The functions of the power button can also be be altered in the Power Management section of the CMOS setup.

b

AT Power Supply Connector

The Mainboard also provides a 12-pin AT Power supply connector,which incorporates standard +/-5V,+/-12V.

C

Universal Serial Bus (USB) Header1

The Mainboard provides four 4-pin Universal Serial Bus (USB) Header. USB is a new interface standard for adding external Plug-and-Play (PnP) devices to the computer system. Peripherals that support USB PnP capabilities can operate at up to a 12Mb/sec data transfer rate. Eventually, all external devices connected to your computer will be standardized to USB.

c

Univeral Serial Bus (USB) Header2

Connect this header to the optional USB extension cable for a USB port.

D

Serial (COM1) Header

The Mainboard provides one high-speed 16550 compatible UART serial ports.

E Infra-Red (IR) Connector

The Mainboard provides a 5-pin header interface, IR for connection to a Hewlett Packard HSDSL-1000 compatible infrared (IrDA) transmitter/receiver. Connect IR to the front panel I/O IrDA connector provided with your system. Once the module is connected to the front panel I/O IrDA connector,

The header pin-out is as follows:

Pin . . . . . Signal Name
1 . . . . . VCC, power source
2 . . . . . No Connection
3 . . . . . IRRX, infra-red receive
4 . . . . . GND
5 . . . . . IRTX, infra-red transmit

F Memory Module Sockets

The Mainboard provides 168 pin standard DIMM sockets for installation of 3.3V unbuffered Single or Double Bank SDRAM modules.

G Parallel Port Header

The Baby ***AT*** Mainboard provides a parallel port header. The parallel port can be BIOS configured into standard (SPP) mode,Enhanced Parallel Port (EPP) mode,and a high speed Extended capabilities Port (ECP) mode. EPP Mode requires a driver provided by the peripheral manufacturer in order to operate properly.

g LAN Speed Header **(Only for TX-PLE)**

Set the Jumper J2 to [1-2] , LAN Speed is 10MHz,to [2-3] is 100MHz.

h LAN Duplex Header **(Only for TX-PLE)**

Set the Jupmer J3 to [1-2],LAN Duplex is half, to [2-3] is full.

I LITHIUM BATTERY

A 3V, CR-2032, Lithium battery is installed on the on-board battery socket. This battery is sued to supply the CMOS RAM backup power during system powered-off. Danger of explosion if battery is incorrectly replaced. Therefore, if you have any difficulties, please consult the technical personnel.

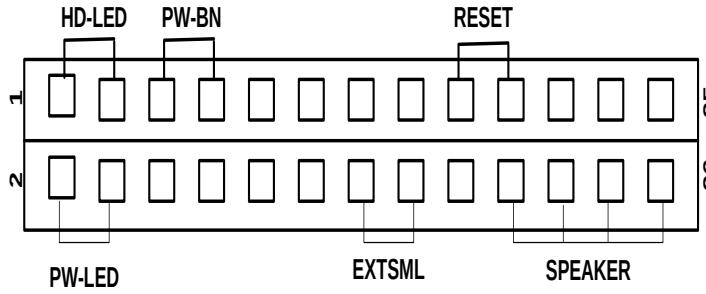
J PCI Add-In Board Connector

The Mainboard provides 2 PCI Connectors for the PCI cards.

M Front Panel Function Connector

The Mainboard integrates all system front panel functions into a single on-board connector. These include connections for the following features:

Function	Connector Pin-Out Label
System Reset	RESET
Power LED / Keylock	PW-LED
Hard Drive Activity LED	HD_ LED
Soft-Touch Button Power On/Off	PW-BN
External Power Saving Control (optional)	EXTSMI
External speaker	Speaker



N Flash BIOS

The Mainboard flash BIOS provides users with more flexibility in upgrading their mainboards. The flash BIOS can be easily reprogrammed via software.

O Floppy Drive Connector

The Mainboard provides a 34-pin connector that supports the included floppy drive ribbon cable. After connecting the single end to the on-board “FLOPPY” connector, connect the remaining plugs on the other end of the cable to the corresponding floppy drives.

NOTE: Pin 5 is removed to prevent inserting the connector in the wrong orientation.

P IDE Device Connector

The Mainboard provides (2) independent bus-mastering PCI IDE interfaces capable of supporting up to Mode 4 and Ultra DMA-33/66/100 devices. The system BIOS supports automatic detection of the IDE device data transfer rate and translation between different kinds of device modes such as Logical Block Addressing (LBA), Extended Cylinder Sector Head (ECSH) translation modes and ATAPI (e.g., CD-ROM) devices on both IDE interfaces.

The two on-board IDE connectors support the provided 40/80pin IDE hard disk ribbon cables. After connect the single end to the mainboard connector, connect the two remaining plugs at the other end of your hard disk(s) and/or CD-ROM drive(s). If you install two hard disks and/or CD-Rom drives, you must configure the two drives by setting their IDE master/slave jumpers according to the documentation for those devices.

Also, you may connect the two hard disk drives so that both become Masters, using one ribbon cable on the primary IDE connector and one on the secondary IDE connector.

Q WAKEUP-LINK Heder

The Mainboard provides one WAKEUP-LINK headers (WOL) used to connect an add-in Network Interface Card which has Wakeup capability.

q LAN Connector (Only for TX-PLE)

The Mainborad provides a 17-pin LAN Connector for the Onboard 100Mbps PCI LAN.

S CPU Socket

The Mainboard provides a 370-pin Socket 370 CPU Socket for intel PIII FCPGA, Celeron FC-PGA / PPGA Processor. The CPU should have a fan attached to it to prevent overheat. If a fan is not present, a fan should be installed prior to turning the system on.

T CPU / SYSTEM FAN Connector

The recommended heatsinks for the processor are those with 12 Volt three-conductor fans that can be connected to the fan connector on the mainboard. It provides +12 Volts DC to the CPU cooling fan as follows:

PIN	SIGNAL NAME
1	FAN Speed Detect
2	+12V
3	Ground

CAUTION! Be sure that sufficient air circulation is available across the processor's heatsink by regularly checking that your CPU fan is working. Without sufficient circulation. the processor could overheat and damage both the processor and the mainboard. You may install an auxiliary fan if necessary.

U Audio Connectors

The Mainboard provides Audio headers.

Audio Connectors	S1 :	Line Output
	S2 :	Line Input
	S3 :	Microphone Input

V VGA Connector

The Mainboard provides a VGA Connector for the Integrated Graphics Controller.

X CD Audio Connector

CD Audio input (Right, Ground, Ground Left)

Y Auxiliary Connector

Auxiliary input (Right, Ground, Ground, Left)

CD Driver & Software Installation Guide

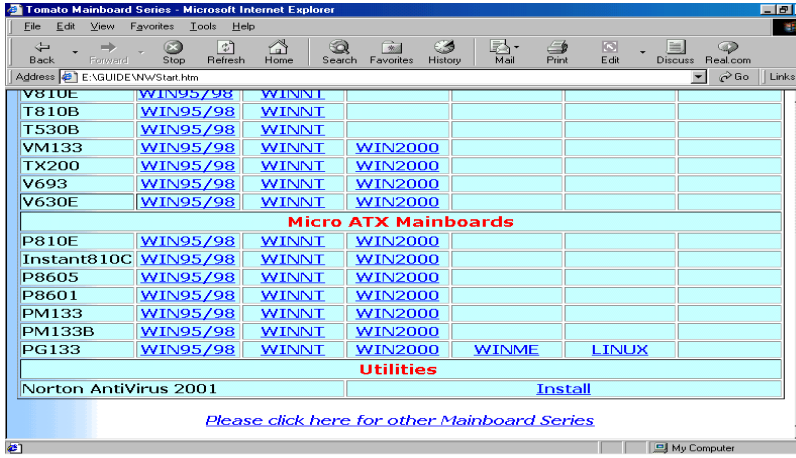
Steps :

1. Boot up the Operating System (Windows 95/98/NT/2000)
2. Put the CD Disc into the CD-ROM Drive and wait for Autorun.
3. Select TX-PLE/TX-PLE-SE and click your Operating System Type
4. Follow the instruction and install suitable Drivers

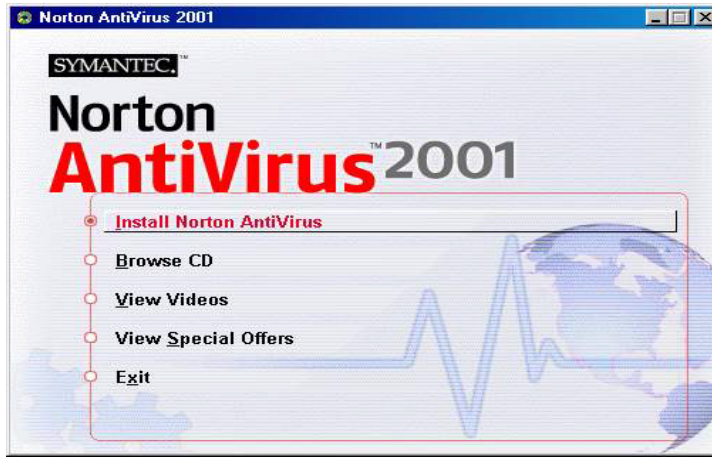
Norton AntiVirus 2001

Norton Anti-Virus OEM Version Setup Guide

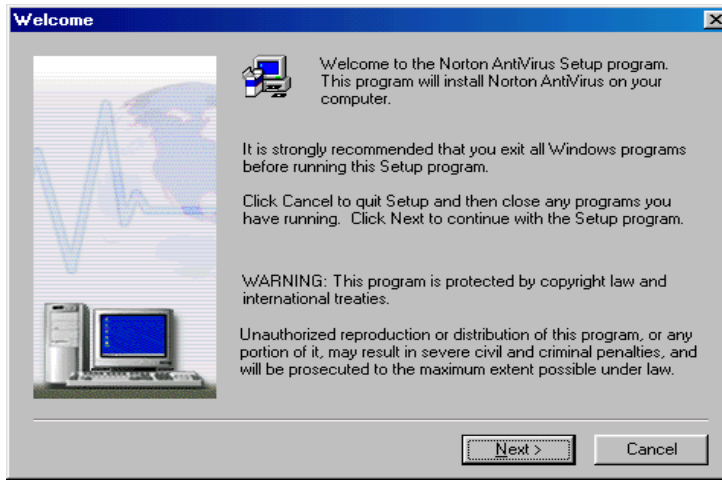
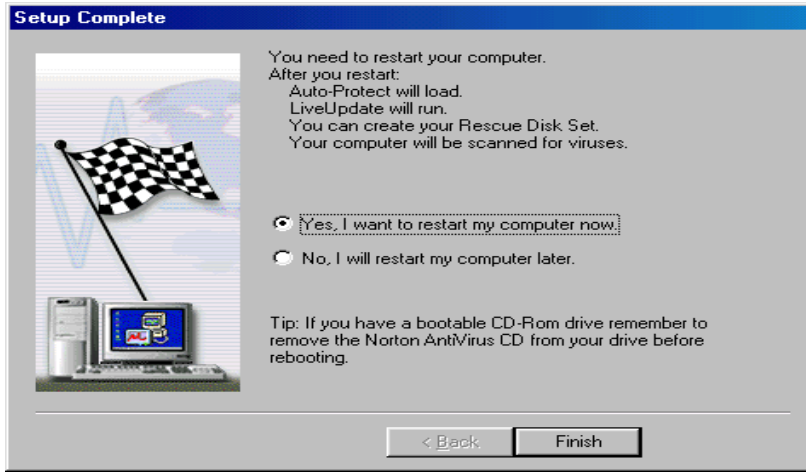
Step 1 : Load the Driver CD in CDROM and find the "Norton AntiVirus 2001 Install" Option.



Step 2 : When CD finishes loading, press " Install Norton AntiVirus" to install the software.



Step 3 : Follow the installation procedures on screen.



Step 4 : Select "Yes" and press "Finish" button to reboot computer.