

Item Checklist

Completely check your package. If you discover damaged or missing items, contact your retailer.

- KuDoz 7E/333 series motherboard
- QDI Utility CD for Non Intel Series
- I/O shield(manufacturing option)
- 1 IDE ribbon cable
- 1 floppy ribbon cable
- User's manual

Notice

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Declaration of Conformity



QUANTUM DESIGNS(HK) LTD.
20th Floor, Devon House, Taikoo Place, 979 King's Road,
Quarry Bay, Hong Kong

declares that the product

Motherboard
KuDoz 7E/333

is in conformity with

(reference to the specification under which conformity is declared in
accordance with 89/336 EEC-EMC Directive)

- EN 55022 Limits and methods of measurements of radio disturbance characteristics of information technology equipment
- EN 50081-1 Generic emission standard Part 1:
Residential, commercial and light industry
- EN 50082-1 Generic immunity standard Part 1:
Residential, commercial and light industry

European Representative:

QDI COMPUTER(UK) LTD.

QDI SYSTEM HANDEL GMBH

QDI COMPUTER(FRANCE) SARL

LEGEND QDI SPAIN S.L

QDI COMPUTER(SCANDINAVIA)A/S

QDI EUROPE B.V

QDI COMPUTER HANDELS GMBH

QDI COMPUTER(SWEDEN)AB

Signature : Xu Wenge

Place / Date : HONG KONG/2001

Printed Name : Xu Wenge

Position/ Title : Assistant President

Declaration of Conformity

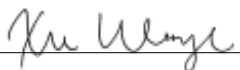


Trade Name: QDI Computer (U. S . A.) Inc.
Model Name: **KuDoz 7E/333**
Responsible Party: QDI Computer (U. S. A.) Inc.
Address: 41456 Christy Street
Fremont, CA 94538
Telephone: (510)668-4933
Facsimile: (510)668-4966

Equipment Classification: FCC Class B Subassembly
Type of Product: Motherboard
Manufacturer: Quantum Designs (HK) Inc.
Address: 20th Floor, Devon House, Taikoo Place
979 King's Road, Quarry Bay, HONG
KONG

Supplementary Information:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Tested to comply with FCC standards.

Signature : 

Date : 2001

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⚠ Caution

Be sure to unplug the AC power supply before adding or removing expansion cards or other system peripherals, especially the DDR memory, otherwise your motherboard or the system memory might be seriously damaged.

Be sure to add some Silicone Grease between the CPU and the FAN to keep them fully contact, meanwhile to meet the heat sink requirement.

Note:

This manual is suitable for KuDoz 7E/333 series of motherboards. Each motherboard is carefully designed for the PC user who wants different features.

**KuDoz 7E/333: without onboard Audio(AC'97) or onboard
SoundBlaster(Creative® CT5880)**

-A: with onboard Audio(AC'97)

-C: with onboard SoundBlaster(Creative® CT5880)



Chapter 1

Introduction

Overview

The KuDoz 7E/333 series are high performance, cost-effective and energy efficient motherboards from 200MHz and 266MHz FSB based on Socket-A processors. They utilize the Apollo KT 266A chipset consisting of VIA KT333 and VT8233A. They support the UltraDMA-33/66/100/133, DDR SDRAM and AGP 4x. They also provide one ACR slot and one SCR(Smart Card Reader) interface connector. In addition, advanced features are supported such as wake-up on LAN, wake-up on internal/external modem, wake-up by hot keys of PS/2 keyboard, ACPI power management and hardware monitoring.

IMPORTANT: Onboard Audio(AC97 codec) and Onboard SoundBlaster(Creative® CT5880) are optional. Please take note of the difference.

Key Features

Form Factor

- ATX form factor of 305mm x235mm

Microprocessor

- Supports 200MHz/266MHz FSB
- Supports AMD Socket-A Athlon "B" type(FSB is 200MHz)/ "C" type(FSB is 266MHz) processors at 700MHz/750MHz/800MHz/850MHz/900MHz/950MHz/1GHz/1.1GHz/1.2GHz/1.33GHz/1.4GHz/1500+MHz/1600+MHz/1700+MHz/1800+MHz/1900+MHz/2100+MHz and future processors
- Supports AMD Socket-A Duron processors at 600MHz/650MHz/700MHz/750MHz/800MHz/850MHz/900MHz/950MHz/1GHz/1.1GHz and future processors

Chipset

- VIA Apollo KT333 chipset: KT333(North Bridge), VT8233A(South Bridge)
- Adopts ITE IT8705F I/O chip

Memory

- Provides three 2.5V SSTL-2, 184-pin, 64-bit data width DRAM interfaces
- Supports DDR200/DDR266/DDR333 SDRAM
- Supports ACPI S3 mode



Onboard IDE

- Supports two PCI PIO and Bus Master IDE ports
- Two fast IDE interfaces supporting up to four IDE devices including IDE hard disks and CDROM drives
- Supports Ultra DMA-33/66/100/133

Onchip I/O

- One floppy port supporting up to two 3.5" or 5.25" floppy drives with 360K/720K/1.2M/1.44M/2.88M format
- Two high speed 16550 fast compatible UARTs(COM1/COM2/COM3/COM4 selective) with 16-byte transmit/receiver FIFOs
- One enabled parallel port at the I/O address 378H/278H/3BCH with additional bi-direction I/O capability and multimode as SPP/EPP/ECP
- Provides 4 USB ports and One IrDA connector
- Provides One SCR interface connector and One ACR slot
- Supports PS/2 mouse and PS/2 keyboard
- Supports LS-120 floppy disk drive and Zip drive
- All I/O ports can be enabled/disabled in the BIOS setup

Onboard Audio(Available on KuDoz 7E/333-A)

- Standard AC97 Codec interface

Creative® CT5880 PCI Hardware Sound (Available on KuDoz 7E/333-C)

- 3D audio effects
- 32-voice XG wavetable synthesizer
- Direct Sound/Music Hardware Accelerator
- Full-Duplex stereo
- Supports four speakers output based on Speaker-out jack and Line-in jack

Advanced Features

- Provides Trend ChipAwayVirus® On Guard
- Supports wake-up on LAN
- Supports wake-up on internal/external modem
- Supports wake-up on hot keys
- Supports system monitoring (monitors system temperature, CPU temperature, volt ages and fan speed)
- Supports QDI innovations: StepEasy, BootEasy, LogoEasyII, RecoveryEasyII, BIOS-ProtectEasy and ManageEasy(optional)
- Protects the system BIOS from being attacked by severe virus such as CIH, by enabling "Flash Write Protect" in CMOS setup or closing the Jumper "JAV"

**AGP Slot**

- Provides one AGP slot
- AGP V2.0 compliant
- Supports AGP 4x mode

BIOS

- Licensed advanced AWARD BIOS
- Supports Flash ROM with 2M-bit memory size, plug and play ready
- Supports IDE CDROM or SCSI bootup

Green Function

- Supports ACPI (Advanced Configuration and Power Interface) and ODPM (OS Directed Power Management)
- Supports ACPI status: S0(full-on), S1(power on suspend), S3(suspend to RAM), S4(suspend to Disk,depends on OS), S5(soft-off)

Main Expansion Slots and Connectors

Slot/Port (Quantity)	Description
PCI(5)	PCI slots
IDE(2)	IDE ports
FLOPPY(1)	Floppy drive port
DDR(3)	DDR DIMM slots
USB(4)	USB connectors
ACR(1)	ACR slot
AGP(1)	AGP slot
SCR(1)	SCR connector
IrDA(1)	IrDA connector

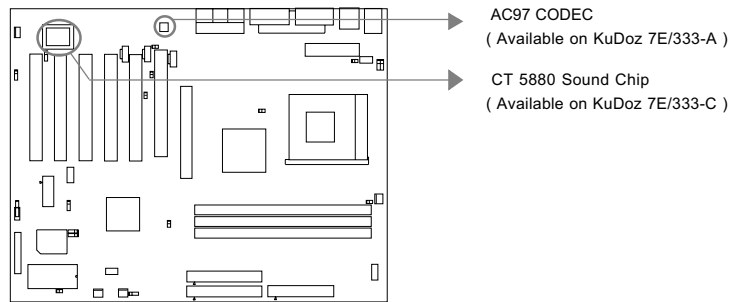


Creative CT5880 chip (Available on KuDoz 7E/333-C)

The CT5880 provides high-quality audio performance and low CPU utilization for you. Featuring 128-voice wave-table synthesis with very high sample rate converters. In addition, CT5880 supports localized three-dimensional sound immersion in headphone and four-speaker environments. The four-speaker based on speaker-out and line-in jack.

the CT5880 also supports multiple algorithm levels of reverb and chorus effects on the wave-table sounds as well as spatial sound enhancement on MIDI and wave sounds in two speakers. Full duplex operation also allows simultaneous audio recording and playback.

The motherboard has two solutions for onboard audio.





Chapter 2

Installation Instructions

This section covers External Connectors and Jumper Settings. Refer to the motherboard layout chart for the locations of all jumpers, external connectors, slots and I/O ports. Furthermore, this section lists all necessary connector pin assignments for your reference. The particular states of the jumpers, connectors and ports are illustrated in the following figures. Before setting the jumpers or inserting these connectors, please pay attention to the directions.

External Connectors

PS/2 Keyboard Connector, PS/2 Mouse Connector

PS/2 keyboard connector is for the usage of PS/2 keyboard. If using a standard AT size keyboard, an adapter should be used to fit this connector. PS/2 mouse connector is for the usage of PS/2 mouse.



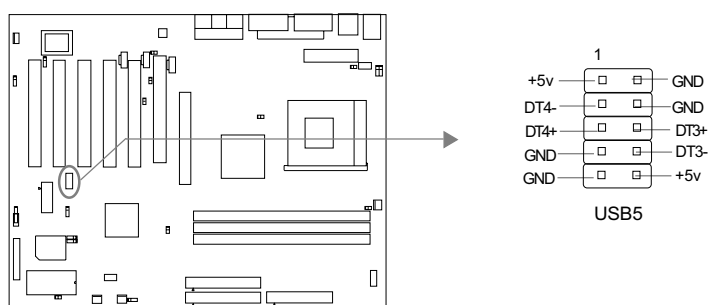
USB1, USB2 Connectors

Two USB ports are for connecting USB devices.



USB3, 4 Connectors

Four USB ports are not available on the back panel. Therefore, we provide a 10-pin cable(optional) to connect onboard USB5 headers and USB devices.



Be sure to unplug the AC power supply before adding or removing expansion cards or other system peripherals, otherwise your motherboard and expansion cards might be seriously damaged.



Parallel Port, Serial Port Connectors (UART1, UART2)

The parallel port connector can be connected to a parallel device such as a printer. The serial ports UART1,2 connectors can be connected to serial port devices such as serial port mice. You can enable/disable them and choose the IRQ or I/O address in "INTEGRATED PERIPHERALS" from AWARD BIOS SETUP.

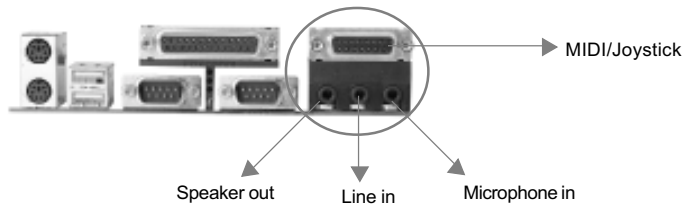


Line-in jack, Microphone-in jack, Speaker-out jack and MIDI/Joystick Connector(Available on KuDoz 7E/333-A/-C)

The Line-in jack can be connected to devices such as a cassette or minidisc player for playback or recording. The Microphone-in jack can be connected to a microphone for voice input. The Speaker-out jack allows you to connect to speakers or headphones for audio output from the internal amplifier.

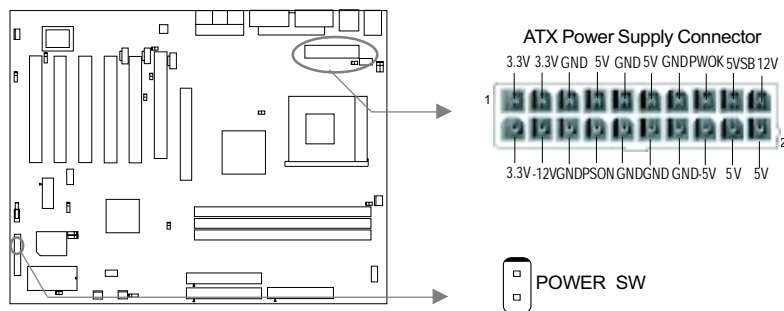
The MIDI/Joystick connector allows you to connect a game joystick or a MIDI device.

Note: For the KuDoz 7E/333-C motherboard, the rear out jack replaces Line-in jack to connect powered speakers for audio output.



ATX Power Supply Connector & Power Switch (POWER SW)

Be sure to connect the power supply plug to this connector in its proper orientation. The power switch (POWER SW) should be connected to a momentary switch (power button). When powering up your system, first turn on the mechanical switch of the power supply (if one is provided), then push once the power button. When powering off the system, you needn't turn off the mechanical switch, just **Push once** the power button.



Note: * If you change "soft-off by PWRBTN" from default "Instant-off" to "Delay 4 Sec" in the "POWER MANAGEMENT SETUP" section of the BIOS, the power button should be pressed for more than 4 seconds before the system powers down.



Hard Disk LED Connector (HD_LED)

The connector connects to the case's IDE indicator LED indicating the activity status of IDE hard disk. The connector has an orientation. If one way doesn't work, try the other way.

Reset Switch (RESET)

The connector connects to the case's reset switch. Press the switch once, the system resets.

Speaker Connector (SPEAKER)

The connector can be connected to the speaker on the case.

Power LED Connector (PWR_LED)

When the system is in S0(full-on) status, the LED is on. When the system is in S1(power on suspend) status, the LED is blink. When the system is in S3(STR) or S5(soft-off) status, the LED is off. The connector has an orientation.

ACPI LED Connector (ACPI_LED)

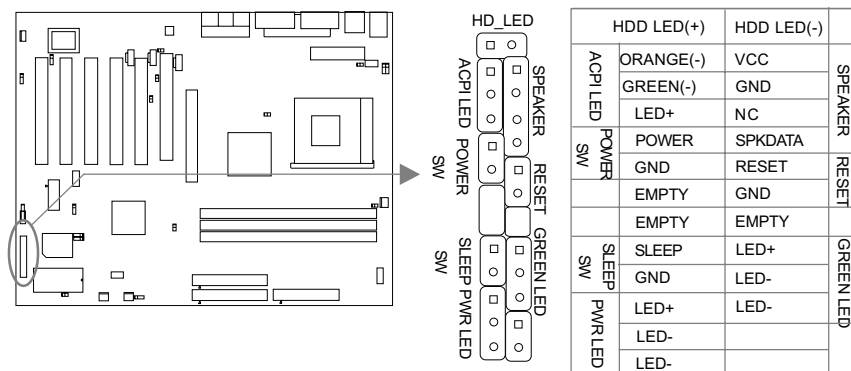
The ACPI LED is a double-color light with three pins. Pin1 and Pin2 drive different color lights. If Pin1 drives the orange light, then, Pin2 drives the green light, the following status will come out. When the system is in S0 status, the LED is green. When the system is in S1 status, the LED is green blink. When the system is in S3 status, the LED is orange. When the system is in S5 status, the LED is off.

GREEN LED Connector (GREEN_LED)

When the system is in S0, S1 or S5 status, the LED is off. When the system is in S3 or APM power on suspend status, the LED is on.

Hardware Green Connector (SLEEP_SW)

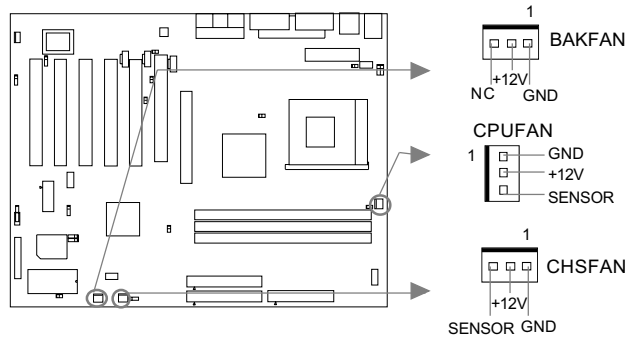
Push once the switch connected to this header, the system enters suspend mode.





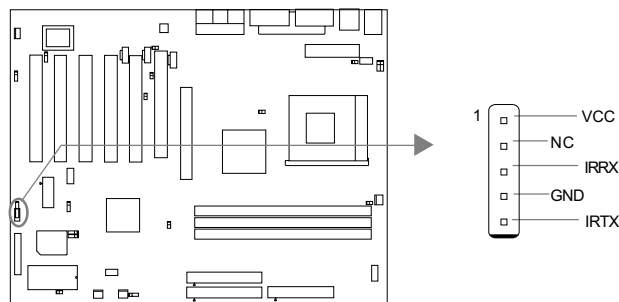
Fan Connectors (CPUFAN, CHSFAN, BAKFAN)

The fan speeds of CPUFAN and CHSFAN can be detected and viewed in “PC Health” section of the BIOS.



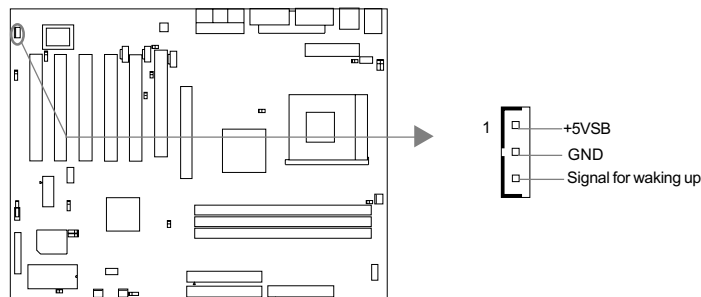
Infrared Header (IrDA)

This connector supports Infrared transmitting and receiving. If using this function, set “UART Mode Select” to IrDA or ASKIR and configure the settings in the “INTEGRATED PERIPHERALS” section of the BIOS.



Wake-Up On LAN (WOL)

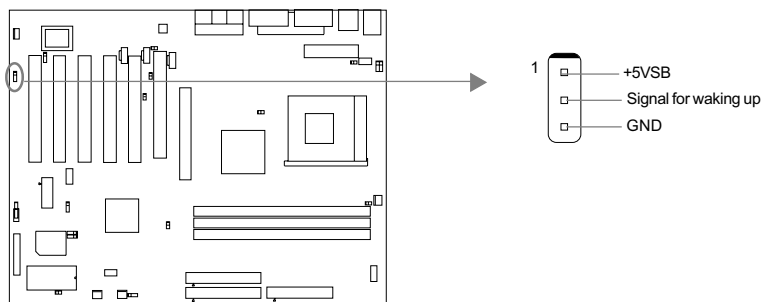
Through the Wake-Up On LAN function, a wake event occurring from the network can wake up the system. If this function is to be used, please be sure an ATX 2.01 power supply of which 5VSB line is capable of delivering 720mA, and a LAN adapter which supports this function is used. Then connect this header to the relevant connector on the LAN adapter, set “Wake up on LAN/Ring” as Enabled in the “POWER MANAGEMENT SETUP” section of the BIOS. Save & exit, then boot the operating system once to make sure this function takes effect.





Wake-Up On Internal Modem (WOM)

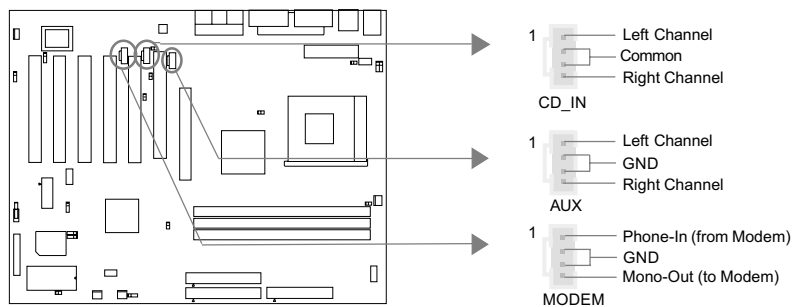
Through the Wake-Up On Internal Modem function, the system which is in the suspend or soft-off status can be waked up by a ring signal received from internal modem. If this function is to be used, be sure an internal modem card which supports the function is used. Then connect this header to the relevant connector on the modem card, set "Wake up on LAN/Ring" as Enabled in the "POWER MANAGEMENT SETUP" section of the BIOS. Save & exit, then boot the operating system once to make sure this function takes effect.



Internal Audio Connectors (AUX, CD_IN, MODEM)

(Available on KuDoz 7E/333-A/-C)

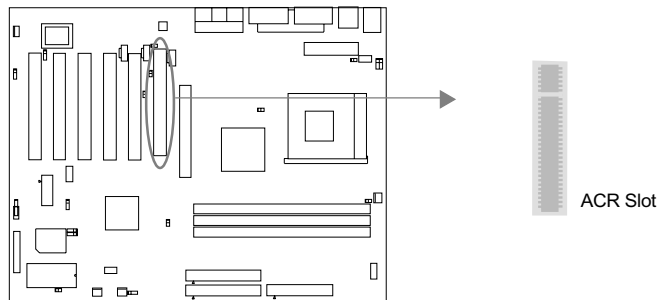
AUX and CD_IN connectors allow you to receive audio input from such sound sources as a CDROM, TV tuner, or MPEG card. The MODEM connector allows the onboard audio to interface with a voice modem card with a similar connector. It allows connecting the mono_in (such as a phone) or mono_out (such as a speaker) between the onboard audio and the voice modem card.





Advanced Communications Riser Slot (ACR)

The ACR connector uses a standard connector that is reversed and offset. Legacy AMR card can be plugged into the ACR slot and works without modification. ACR provides a common architecture for analog modem. It supports legacy AMR riser designs for modem and audio codecs.



Note:

For the KuDoz 7E/333, the AMR card should be set as AMR Primary card to use only.

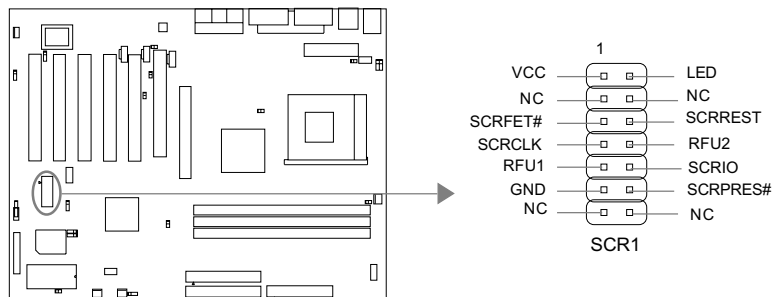
For the KuDoz 7E/333-A, to avoid conflict, you should set the AMR card as Slave when use onboard audio codec(AC97 Codec) or set the AMR card as Primary and jumpers JP1, JP2, JP3 as disabling onboard audio codec(AC97 Codec) when use the audio codec on the AMR card.

For the KuDoz 7E/333-C, the PCI1 slot can only use Slave card, and the AMR card should be set as AMR Primary card to use only.

Smart Card Reader Connector(SCR)




The SCR interface connector is the interface between the motherboard and the Smart Card.

The SCR is built in IT8705F I/O chip and includes a standard UART to control Smart Card interface handshaking and then performs data transfers. The SCR can be used for a broad range of applications in GSM, ID, pay TV, banking and so forth. It also provides a Smart Card clock divider for those ICC (Integrated Circuit Card) without internal clocks. If use this function, set "UART Mode Select" to SCR in the "INTEGRATED PERIPHERALS" section of the BIOS and jumpers J5, J6 as SCR enabled.



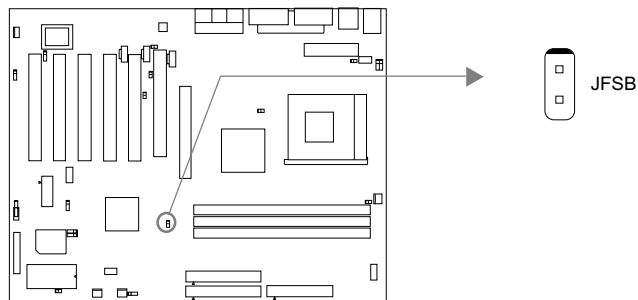


Jumper Settings

Jumpers are located on the motherboard, they represent, clear CMOS jumper JCC, enable BIOS ProtectEasy function jumper JAV etc. Pin 1 of all jumpers are located on the side with a thick white line (Pin1→ ), refer to the motherboard's silkscreen. Jumpers with three pins will be shown as  to represent pin1 & pin2 connected and  to represent pin2 & pin3 connected.

Overclocking Jumper Setting (JFSB)

The jumper JFSB located on the mainboard provides users with CPU overclocking feature. The host bus speed can be set as 100/133MHz. The table below for your reference.



JFSB	HCLK
Close(default)	100MHz
Open	133MHz

AMD Athlon CPU FSB is 100MHz/133MHz, but delivering twice the throughput of 100MHz/133MHz Pentium III-based systems(Ultra -Fast 200MHz/266MHz). However, whether or not your system can be overclocked depends on your processor's capability. We do not guarantee the overclocking system to be stable.

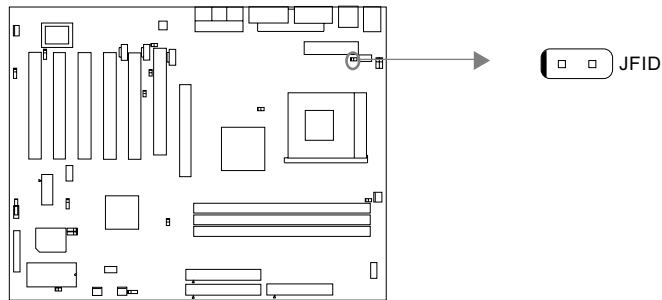
Warning: Be sure your selection is right. CPU over speed will be dangerous! We will not be responsible for any damages caused.

Note: It is not used with FSB 133 CPU and FSB 100 DDR together.



CPU Bus Ratio Selection (JFID)

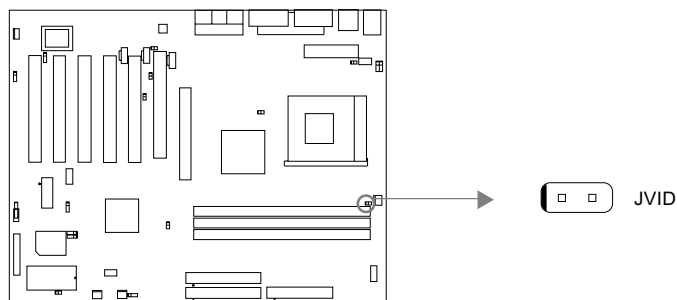
The jumper JFID located on the motherboard provides users with CPU bus ratio selection. If it is set as closed, the system detects the CPU bus ratio automatically. If it is set as opened, the CPU bus ratio can be set manually by jumpers J1 and J3.



JFID	RATIOSET
Close(default)	AUTOSET
Open	JUMPERSET

CPU Core Voltage Selection (JVID)

The jumper JVID located on the motherboard provides users with CPU core voltage selection. If it is set as AUTO SET, the system detects the CPU core voltage automatically. If it is set as JUMPER SET, the CPU core voltage can be set manually by jumper J4.



JVID	Vcore SET
Open(default)	AUTOSET
Close	JUMPERSET



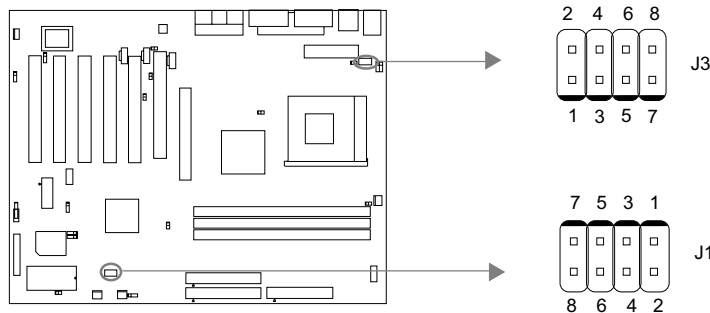
CPU Bus Ratio Setting (J1, J3)

The Host Bus speed by the CPU bus ratio equals the CPU's internal frequency (CPU speed)

If Host Bus speed = 100MHz, CPU bus ratio =4

then CPU speed= 100MHz x 4= 400MHz

please set CPU bus ratio according to the following table.



Jumper	J3				J1			
	Pin(1-2)	Pin(3-4)	Pin(5-6)	Pin(7-8)	Pin(1-2)	Pin(3-4)	Pin(5-6)	Pin(7-8)
5	Close	Close	Open	Close	Close	Close	Open	Close
5.5	Open	Close	Open	Close	Open	Close	Open	Close
6	Close	Open	Open	Close	Close	Open	Open	Close
6.5	Open	Open	Open	Close	Open	Open	Open	Close
7	Close	Close	Close	Open	Close	Close	Close	Open
7.5	Open	Close	Close	Open	Open	Close	Close	Open
8	Close	Open	Close	Open	Close	Open	Close	Open
8.5	Open	Open	Close	Open	Open	Open	Close	Open
9	Close	Close	Open	Open	Close	Close	Open	Open
9.5	Open	Close	Open	Open	Open	Close	Open	Open
10	Close	Open	Open	Open	Close	Open	Open	Open
10.5	Open	Open	Open	Open	Open	Open	Open	Open
11	Close	Close	Close	Close	Close	Close	Close	Close
11.5	Open	Close	Close	Close	Open	Close	Close	Close
12	Close	Open	Close	Close	Close	Open	Close	Close
12.5	Open	Open	Close	Close	Open	Open	Close	Close

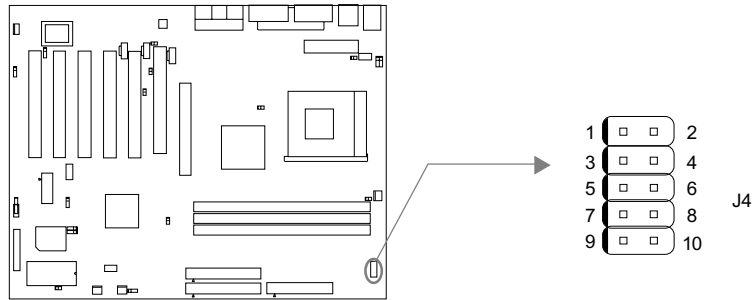
Note: The most of Socket-A processors have bus ratio locked. In this case, it's not necessary to set the bus ratio by jumper setting. So only unlocked Socket-A processors can adjust specified bus ratio through hardware jumper setting.

Warning: Be sure your selection is right. CPU over speed will be dangerous! We will not be responsible for any damages caused.



CPU Core Voltage Setting (J4)

The jumper J4 allows you to adjust the CPU core voltage manually.



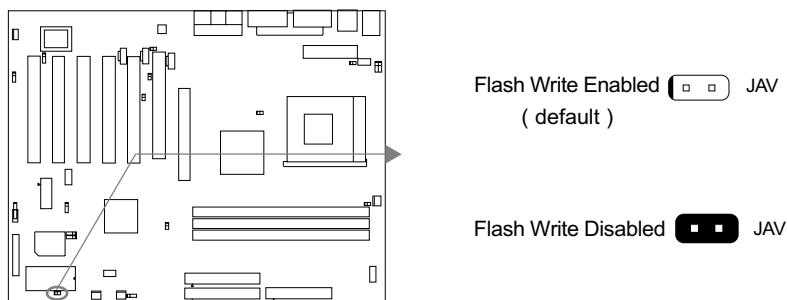
Voltage	J4				
	Pin(1-2)	Pin(3-4)	Pin(5-6)	Pin(7-8)	Pin(9-10)
1.65V	Close	Close	Close	Open	Close
1.675V	Open	Open	Open	Close	Close
1.7V	Close	Open	Open	Close	Close
1.725V	Open	Close	Open	Close	Close
1.75V	Close	Close	Open	Close	Close
1.775V	Open	Open	Close	Close	Close
1.8V	Close	Open	Close	Close	Close
1.825V	Open	Close	Close	Close	Close
1.85V	Close	Close	Close	Close	Close

Warning: To set CPU core voltage higher than its default core voltage is not suggested. If you do, we will not be responsible for any damages caused.



BIOS-ProtectEasy Jumper (JAV)

The BIOS of the motherboard is contained inside the Flash ROM. If the jumper JAV is set as closed, you will be unable to flash the BIOS to the motherboard. However in this status, the system BIOS is protected from being attacked by serious virus such as CIH virus.



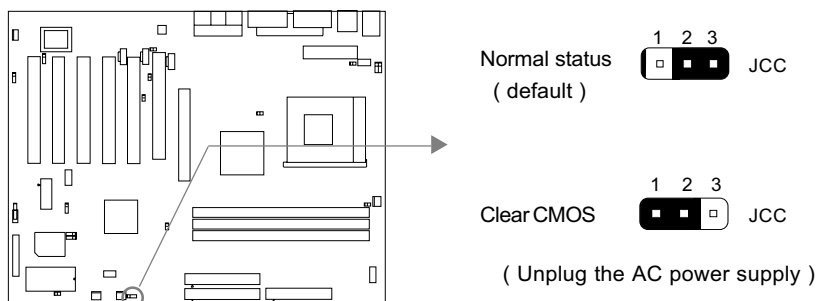
Under special conditions, the jumper "JAV" should be set as OPEN. For further details, refer to the "BootEasy" part of appendix.

Setting the jumper JAV as open(default), meanwhile disabling the "Flash Write Protect" item from "Advanced BIOS Features" in AWARD BIOS CMOS Setup, allows you to flash the BIOS to the Flash ROM.

The DMI (Desktop Management Interface) system information such as the CPU type/speed, memory size, and expansion cards will be detected by the onboard BIOS and stored in the flash ROM. Whenever the system hardware configuration is changed, DMI information will be updated automatically. However, setting jumper JAV as closed makes flashing BIOS and updating DMI information impossible. Therefore, set JAV as open when changing the system hardware configuration, or the error message "Unknown Flash Type" will be displayed on the screen, and DMI information update will be fail.

Clear CMOS (JCC)

If you want to clear CMOS, unplug the AC power supply first, close JCC (pin1 & pin2) once, set JCC back to the normal status with pin2 & pin3 connected, then power on the system.

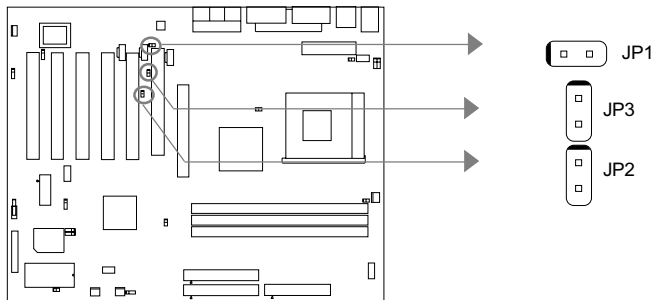




Enable/Disable Onboard Audio(JP1, JP2, JP3)

(Available on KuDoz 7E/333-A)

If you want to use the onboard audio(AC97 Codec), set JP1, JP2, JP3 as closed. Otherwise, set JP1, JP2, JP3 as opened to disable onboard audio. To avoid conflict, it is recommended to set the jumpers as disabling onboard audio when using expansion sound card.

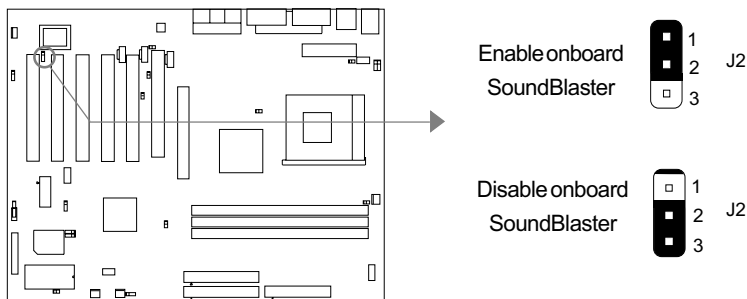


	JP1	JP2	JP3
Enable onboard codec (default)	Close	Close	Close
Disable onboard codec	Open	Open	Open

Enable/Disable Onboard SoundBlaster(J2)

(Available on KuDoz 7E/333-C)

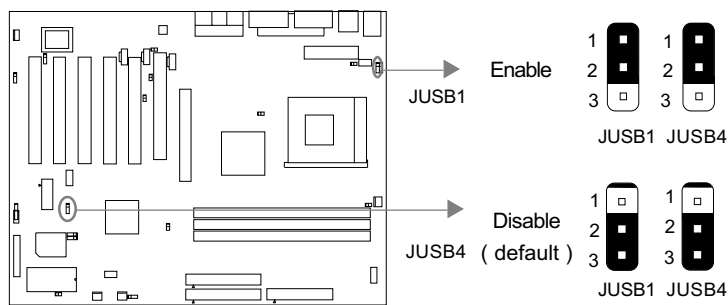
If you want to use the onboard SoundBlaster(Creative® CT5880 PCI Hardware Sound) , set J2 as pin1&pin2 closed. Otherwise, set J2 as pin2&pin3 closed to disable this function. To avoid conflict, it is recommended to set the jumper as disabling onboard SoundBlaster when using expansion sound card.





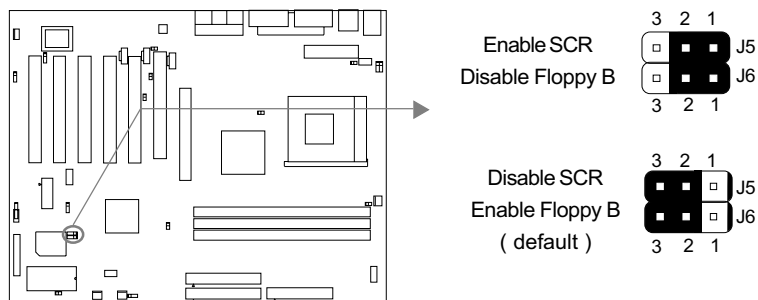
Enable USB KeyDevice Wake-up Function (JUSB1,JUSB4)

The mainboard provides the advanced USB keyDevice wake-up function. The system can be waked up from its power saving status including ACPI S3 by activating USB keyDevice. When using this function, set JUSB1 and JUSB4 with pin1 and pin2 closed. Otherwise, set the jumpers with pin2 and pin3 closed for disabling. Before using this function, please set "USB Resume from S3" as Enabled in "POWER MANAGEMENT SETUP" of BIOS.



SCR/Floppy B Selection (J5, J6)

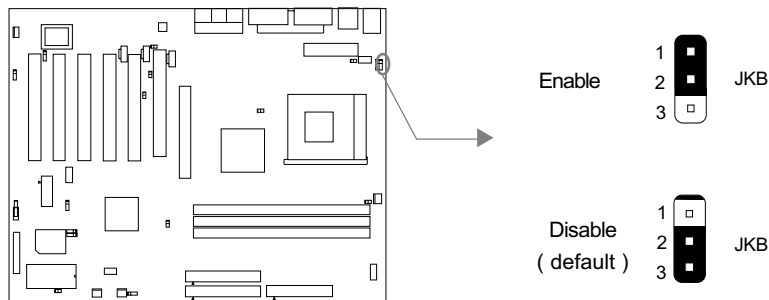
The jumpers provides users with SCR/Floppy B selection. The floppy port supports up to two floppy drives (default). When you use SCR, the floppy B should be disabled by the jumpers J5 and J6.





Enable keyboard Wake-up Function(JKB)

The mainboard provides the advanced hotkeys wake-up function. The hotkeys of keyboard can waked up the system from ACPI S3(STR), S4(STD) and S5(Soft-off) states and be set in "PS2KB Wakeup from S3/S4/S5" of "Power Management Setup" from BIOS. Before using this function, set JKB as enabling this function.



Note:

If using this function, 5VSB line of the power supply should be capable of delivering enough current (eg. 200mA) for all the devices connected to the keyboard port, if not, you will be unable to power up the system using the keyboard.



Chapter 3

BIOS Description

Utility Support:

AWDFLASH.EXE

This is a flash memory write/read utility used for the purpose of upgrading your BIOS when necessary. Before doing so, please note:

- **We strongly recommend you only upgrade BIOS when encounter problems.**
- **Before upgrading your BIOS, review the description below to avoid making mistakes, destroying the BIOS and resulting in a non-working system.**

When you encounter problems, for example, you find your system does not support the latest CPU released after our current mainboard, you may therefore upgrade the BIOS, please don't forget to set JAV as open and disable the "Flash Write Protect" item in AWARD BIOS CMOS Setup first .

Follow the steps exactly for a successful upgrade.

1. Create a bootable system floppy diskette by typing Format A:/s from the DOS prompt under DOS6.xx or Windows 9x environment.
2. Copy AWDFLASH.EXE(version>=7.95) from the directory \Utility located on QDI Driver CD to your new bootable diskette.
3. Download the updated BIOS file from the Website (<http://www.qdigrp.com>). Please be sure to download the suitable BIOS file for your motherboard.
4. Uncompress the file download, copy the BIOS file (xx.bin) to the bootable diskette, and note the checksum of this BIOS which is located in readme file.
5. Reboot the system from the bootable diskette created.
6. Then run the AWDFLASH utility at the A:\ prompt as shown below:

```
A:\AWDFLASH xxxx.bin
```

Follow the instruction through the process. Don't turn off power or reset the system until the BIOS upgrade has been completed.

If you require more detailed information concerning AWDFLASH Utility, for example, the different usage of parameters, please type A:\>AWDFLASH /?

Note: Because the BIOS Software will be updated constantly, the following BIOS screens and descriptions are for reference purposes only and may not reflect your BIOS screens exactly.



AWARD BIOS Description

Entering Setup

Power on the computer, when the following message briefly appears at the bottom of the screen during the POST (Power On Self Test), press key to enter the AWARD BIOS CMOS Setup Utility.

Press to enter SETUP

When you have entered, the Main Menu (Figure 1) appears on the screen. Use the arrow keys to select among the items and press the <Enter> key to accept or enter the sub-menu.



Figure-1 Main Menu

Load Fail-Safe Defaults

The Fail-Safe Defaults are secure and useful for system. It is recommended users load the Fail -Safe Defaults when the system is in trouble.

Load Optimized Defaults

The Optimized Defaults are common and efficient. It is recommended users load the optimized defaults first, then modify the needed configuration settings.

Standard CMOS Features Setup

The basic CMOS settings included in "Standard CMOS Features" are Date, Time, Hard Disk Drive Types, Floppy Disk Drive Types, and VGA etc. Use the arrow keys to highlight the item, then use the <PgUp> or <PgDn> keys to select the value desired in each item.



Figure-2 Standard CMOS Setup Menu

For the items marked, press enter, a window will pop up as shown below. You can view detailed information or make modifications.

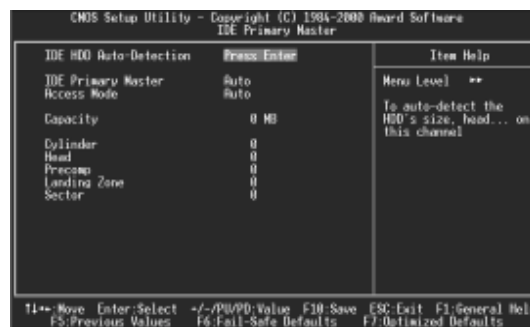


Figure-2-1 IDE Primary Master Setup Menu

Hard Disk

Primary Master/Primary Slave/Secondary Master/Secondary Slave

These categories identify the HDD types of 2 IDE channels installed in the computer system. There are three choices provided for the Enhanced IDE BIOS: None, Auto, and Manual. 'None' means no HDD is installed or set; 'Auto' means the system can auto-detect the hard disk when booting up; by choosing 'Manual', the related information should be entered regarding the following items. Enter the information directly from the keyboard and press < Enter >:

CYLS	number of cylinders	HEAD	number of heads
PRECOMP	write pre-compensation	LANDZ	landing zone
SECTOR	number of sectors	MODE	HDD access mode



The Award BIOS supports 3 HDD modes: NORMAL, LBA and LARGE.

NORMAL

Generic access mode in which neither the BIOS nor the IDE controller will make any transformation during accessing. The maximum number of cylinders, heads and sectors for NORMAL mode are 1024,16 and 63.

If the user sets his HDD to NORMAL mode, the maximum accessible HDD size will be 528 megabytes even though its physical size may be greater than that.

LBA (Logical Block Addressing) mode

A new HDD accessing method to overcome the 528 Megabyte bottleneck. The number of cylinders, heads and sectors shown in setup may not be the number physically contained in the HDD.

During HDD accessing, the IDE controller will transform the logical address described by sector, head and cylinder number into its own physical address inside the HDD.

LARGE mode

Some IDE HDDs contain more than 1024 cylinder without LBA support (in some cases, users do not want LBA). The Award BIOS provides another alternative to support these kinds of HDD.

BIOS tricks DOS (or other OS) into dividing the number of cylinders is less than 1024 by dividing it by 2. At the same time, the number of heads is multiplied by 2. A reverse transformation process will be made inside INT13h in order to access the right HDD address.

If using Auto detect, the BIOS will automatically detect the IDE hard disk mode and set it as one of the three modes.

Remark

To support LBA or LARGE mode of HDDs, there must be some softwares involved which are located in Award HDD Service Routine(INT13h).It may fail to access a HDD with LBA (LARGE) mode selected if you are running under an Operating System which replaces the whole INT 13h.



Video

Set this field to the type of video display card installed in your system.

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

Halt On

This category determines whether or not the computer will stop if an error is detected during powering up.

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

Memory

This is a Display-Only Category, determined by POST (Power On Self Test) of the BIOS.

Base Memory	The POST of the BIOS will determine the amount of base (or conventional) memory installed in the system.
Extended Memory	The BIOS determines how much extended memory is presented during the POST.
Total Memory	Total memory of the system equals the sum of the above memory.



QDI Innovation features



Figure-3 Frequency/Voltage Control Setup Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
[SpeedEasy Setting]		
<ul style="list-style-type: none"> Auto Detect DIMM/PCI Clk Spread Spectrum 	<i>Enabled</i>	Closes empty DIMM or PCI clock to reduce EMI.
	<i>Disabled</i>	Does not close empty DIMM or PCI clock.
	<i>+/-0.25%</i>	Enables Spread Spectrum to reduce EMI.
<ul style="list-style-type: none"> CPU Host/PC Clock 	<i>-0.5%</i>	
	<i>...</i>	
	<i>Disabled</i>	Disables Spread Spectrum to reduce EMI.
	<i>Default</i>	Sets CPU/PCI Clock as default.
	<i>...</i>	Sets CPU/PCI Clock
[BootEasy setting]		
<ul style="list-style-type: none"> QDI BootEasy Feature 	<i>Enabled</i>	PC boot in rapid speed, without any redundant feature waiting for the displaying of starting OS.
	<i>Disabled</i>	PC boot in the legacy BIOS way.
[LogoEasyII Setting]		
<ul style="list-style-type: none"> Show Bootup Logo 	<i>Enabled</i>	The logo can be shown when system boots show up.
	<i>Disabled</i>	Close this function.
[BIOS ProtectEasy Setting]		
<ul style="list-style-type: none"> Flash Write Protect 	<i>Enabled</i>	This option is for protecting the system BIOS, when enabled, writing to BIOS area is to be discarded.
	<i>Disabled</i>	



[RecoveryEasyII
setting]

- Menu Language *English* Select RecoveryEasyII Interface Menu language.
 Select *Chinese*
- Hotkey for Backup *[F11]* Press F11
- Hotkey for Recovery *[F12]* Press F12



Advanced BIOS Features Setup



Figure-4 Advanced BIOS Features Setup Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
● ChipAway Virus On Guard	<i>Enabled</i>	Allows you to choose the virus warning feature for IDE hard disk boot sector protection. If this function is enabled and someone attempt to write data into this area, BIOS will show a warning message on screen and alarm beep.
	<i>Disabled</i>	Invalidates this function.
● CPU Internal Cache	<i>Enabled</i>	Enables CPU internal cache.
	<i>Disabled</i>	Disables CPU internal cache.
● External Cache	<i>Enabled</i>	Enables CPU external cache.
	<i>Disabled</i>	Disables CPU external cache.
● CPU L2 Cache ECC Checking	<i>Enabled</i>	Enables CPU L2 Cache ECC function.
	<i>Disabled</i>	Disables CPU L2 Cache ECC function.
● Quick Power On Self Test	<i>Enabled</i>	Enables quick POST. BIOS will shorten or skip some check items during POST to speed up POST after you power on the computer.
	<i>Disabled</i>	Normal POST.
● First (Second, Third) Boot Device	<i>Disabled</i> <i>Floppy</i>	Selects Your Boot Device Priority. It could be Disabled, Floppy, LS120, ZIP100, HDD-0, HDD-1, HDD-2, HDD-3, SCSI, CDROM, LAN.



• Boot Other Device	<i>Enabled</i> <i>Disabled</i>	Boot other Device enabled. Boot other Device disabled.
• Swap Floppy Drive	<i>Enabled</i> <i>Disabled</i>	Exchange the assignment of A and B floppy drives. The assignment of A and B floppy drives are normal.
• Boot Up Floppy Seek	<i>Enabled</i> <i>Disabled</i>	Tests floppy drives to determine whether they have 40 or 80 tracks.
• Boot Up NumLock Status	<i>On</i> <i>Off</i>	Keypad is used as number keys. Keypad is used as arrow keys.
• Gate A20 Option	<i>Normal</i> <i>Fast</i>	The A20 signal is controlled by the keyboard controller. The A20 signal is controlled by Port92.
• Typematic Rate Setting	<i>Enabled</i> <i>Disabled</i>	Keystrokes repeat at a rate determined by the keyboard controller - when enabled, the typematic rate and typematic delay can be selected.
• Typematic Rate (Chars/Sec)	6~30	The rate at which character repeats when you hold down a key.
• Typematic Delay (Msec)	250~1000	The delay before keystrokes begin to repeat.
• Security Option	<i>Setup</i> <i>System</i>	Selects whether the password is required every time the system boot or only when you enter setup.
• OS Select For DRAM>64MB	<i>Non-OS2</i> <i>OS2</i>	Selects OS2 only if you are running OS/2 operating system with more than 64MB of RAM.
• Report NO FDD for WIN 95	<i>Yes</i> <i>No</i>	Reports NO Floppy Disk Drive for WIN 95 to release IRQ6. Does not report No Floppy Disk Drive for WIN 95.
• Video BIOS Shadow	<i>Enabled</i> <i>Disabled</i>	Video BIOS will be copied to RAM. Video Shadow will increase the video speed. Invalidates this feature.



Advanced Chipset Features Setup

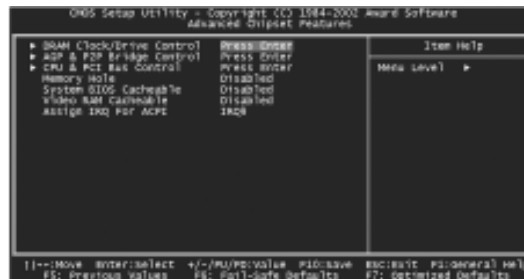


Figure-5 Advanced Chipset Features Setup Menu

The following indicates the options for each item and describes their meaning.

Item	Option	Description
• DRAM Clock/Drive Control	<i>Press Enter</i>	Enters to set the items about DRAM.
• Current FSB Frequency		Displays current FSB Frequency.
• Current DRAM Frequency	<i>100MHz</i> <i>133MHz</i> <i>166MHz</i>	Current DRAM Frequency is 200MHz. Current DRAM Frequency is 266MHz. Current DRAM Frequency is 333MHz.
• DRAM Clock	<i>100MHz</i> <i>133MHz</i> <i>By SPD</i>	Sets DDR clock as 200MHz . Sets DDR clock as 266MHz. DDR clock is defined by SPD.
• DRAM Timing	<i>By SPD</i> <i>Manual</i>	DDR Timing is defined by SPD. Sets DDR Timing manually.
• SDRAM Cycle Length	<i>2</i> <i>2.5</i>	Defines the CL parameter of DDR.
• Bank Interleave	<i>Disabled</i> <i>4Bank</i> <i>2Bank</i>	Disables DDR Bank Interleave. Sets Bank Interleave as 4 bank. Sets Bank Interleave as 2 bank.
• DRAM Command Rate	<i>1T Command</i> <i>2T Command</i>	Defines the DRAM command rate.



● AGP&P2P Bridge Control	<i>Press Enter</i>	Enters to set the following items.
● AGP Aperture Size	<i>4~256M</i>	Sets the effective size of the Graphics Aperture to be used in the particular PAC Configuration.
● AGP Mode	<i>1x,2x 4x</i>	Supports AGP 1x, 2x or 4x mode. If the AGP card does not support 4x mode, the item "4x" will hide.
● AGP Driving Control	<i>Auto Manual</i>	The default setting is recommended.
● AGP Driving Value	<i>00-FF</i>	Sets this item when the AGP 4x card runs incorrectly.
● AGP Fast Write	<i>Enabled Disabled</i>	Enables AGP Fast Write. Disables AGP Fast Write.
● AGP Master 1 WS Write	<i>Enabled Disabled</i>	Enables AGP Master 1 WS Write. Disables AGP Master 1 WS Write.
● AGP Master 1 WS Read	<i>Enabled Disabled</i>	Enables AGP Master 1 WS Read. Disables AGP Master 1 WS Read.
● CPU&PCI Bus Control	<i>Press Enter</i>	Enters to set the items about CPU&PCI Bus.
● PCI1 Master 0 WS Write	<i>Enabled Disabled</i>	Enables PCI1 Master 0 WS Write. Disables PCI1 Master 0 WS Write.
● PCI2 Master 0 WS Write	<i>Enabled Disabled</i>	Enables PCI2 Master 0 WS Write. Disables PCI2 Master 0 WS Write.
● PCI1 Post Write	<i>Enabled Disabled</i>	Enables PCI1 Post Write. Disables PCI1 Post Write.
● PCI2 Post Write	<i>Enabled Disabled</i>	Enables PCI2 Post Write. Disables PCI2 Post Write.
● PCI Delay Transaction	<i>Enabled Disabled</i>	Enables PCI Delay Transaction. Disables PCI Delay Transaction.
● Delay Transaction	<i>Enabled Disabled</i>	Enables PCI Buffer Delay Transaction. Disables PCI Buffer Delay Transaction.



Award BIOS Description

- Memory Hole *15M~16M* Memory Hole at 15-16M is reserved for expanded ISA card.
Disabled Does not set this memory hole.
- System BIOS Cacheable *Enabled* Besides conventional memory, system BIOS area is also cacheable.
Disabled System BIOS area is not cacheable.
- Video RAM Cacheable *Enabled* Besides conventional memory, video RAM is also cacheable.
Disabled Video RAM area is not cacheable.
- Assign IRQ For ACPI *IRQ9/10/11* Selects IRQ for ACPI.



Power Management Setup

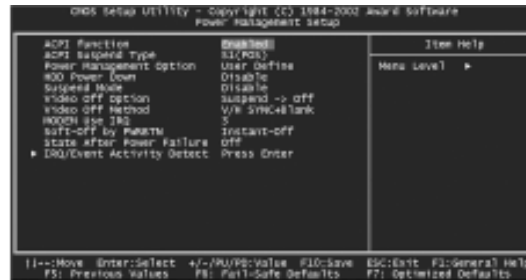


Figure-6 Power Management Setup Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
• ACPI Function	<i>Enabled</i> <i>Disabled</i>	Validates ACPI function. Invalidates this function.
• ACPI Suspend Type	<i>S1(POS)</i> <i>S3(STR)</i>	Selects the ACPI suspend type. S1(power on suspend), S3(STR)
• Power Management Option	<i>User Define</i> <i>Min Saving</i> <i>Max Saving</i>	Users can configure their own Power Management Timer. Pre - defined timer values are used. All timers are in their MAX values. Pre - defined timer values are used. All timers are in their MIN values.
• HDD Power Down	<i>1Min~15Min</i> <i>Disable</i>	Defines the continuous HDD idle time before the HDD entering power saving mode (motor off). Invalidates this function.
• Suspend Mode	<i>1Min~1Hour</i> <i>Disable</i>	Defines the continuous idle time before the system entering suspend mode. Invalidates this function.
• Video Off Option	<i>Suspend -> Off</i> <i>Always On</i>	Screen blanks after the system enters either standby mode or suspend mode. Screen is always on.



• Video Off Method	<i>Blank Screen</i>	The system BIOS will only blank off the screen when disabling video.
	<i>V / H SYNC + Blank</i>	In addition to Blank Screen, BIOS will also turn off the V-SYNC & H - SYNC signals from VGA cards to monitor.
	<i>DPMS Support</i>	This function is enabled only for the VGA card supporting DPMS.
• MODEM Use IRQ	3,4,5,7,9, 10,11	Special Wake-up event for Modem.
	NA	This function is not applied.
• Soft-off by PWRBTN	<i>Instant-off</i>	The system will power off immediately once the power button is pressed.
	<i>Delay 4 Sec</i>	The system will not power off until the power button has been pressed continuously for more than 4 seconds.
• State After Power Failure	<i>Auto Off, On</i>	The system remains former state/Off/On when the AC power supply resumes.
• IRQ/Event Activity Detect	<i>Press Enter</i>	Enters to set the following items.
• PS2KB Wakeup from S3/S4/S5	<i>Ctrl+F1~F12</i>	Wakes up the system from S3/S4/S5 status by pressing Ctrl+F1~Ctrl+F12 ,Power or Wake key on the PS2 keyboard.
	<i>Power Wake</i>	Invalidate this function.
	<i>Disable</i>	
• USB Resume from S3	<i>Enabled</i>	When system in S3 state, USB device can wake up the system.
	<i>Disabled</i>	Invalidate this function.
• VGA	<i>On</i>	VGA active reloads global timer.
	<i>Off</i>	VGA active has no influence to global timer.
• LPT&COM	<i>LPT, COM</i>	Sets the options of these items to reload global timer.
	<i>LPT/COM</i>	
	<i>None</i>	LPT&COM active has no influence to global timer.
• HDD&FDD	<i>On</i>	HDD&FDD active reloads global timer.
	<i>Off</i>	HDD&FDD active has no influence to global timer.
• PCI Master	<i>On</i>	PCI Master active reloads global timer.
	<i>Off</i>	PCI Master active has no influence to global timer.
• Power On by PCI Card	<i>Enabled</i>	Enables to wake up by PCI card.
	<i>Disabled</i>	Disables to wake up by PCI card.



• Wake Up On LAN/Ring	<i>Enabled</i>	Allows the system to be powered on when a ring indicator signal comes up to UART1 or UART2 from an external modem or comes up to WOM header from an internal modem card, or when a remote wake-up signal comes up to the WOL header from LAN adapter.
	<i>Disabled</i>	Does not allow wake up on LAN or wake up from internal/external modem.
• RTC Alarm Resume	<i>Enabled</i>	RTC alarm can be used to generate a wake event to power up the system which is in power-off status. You can set any date or any time to power up the system.
	<i>Disabled</i>	Invalidate this function.
• Date(of Month)		Sets the date of RTC.
• Resume Time		Sets the resume time of RTC.
• IRQs Activity Monitoring	<i>Press Enter</i>	Reloads global timer.
• Primary INTR	<i>On</i>	Allows wake-up from IRQ.
	<i>Off</i>	Does not allow wake-up from IRQ.
• IRQ3~IRQ15	<i>Enabled</i>	Enables IRQ3~IRQ15 to wake up.
	<i>Disabled</i>	Disables IRQ3~IRQ15 to wake up.



PnP/PCI Configurations Setup



Figure-7 PnP/PCI Configurations Setup Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
● PNP OS Installed	Yes	Device resources assigned by PnP OS.
	No	Device resources assigned by BIOS.
● Reset Configuration Data	Enabled	The system BIOS will reset configuration data once then automatically set this item as disabled.
	Disabled	Disables this function.
● Resources Controlled By	Manual	Assigns the system resources (IRQ and DMA) manually .
	Auto(ESCD)	Assigns system resources (IRQ and DMA) automatically by BIOS.
● IRQ-3~IRQ-15 assigned to	PCI Device	The specified IRQ-x will be assigned to PCI only.
	Reserved	The specified IRQ-x reserved.
● PCI/VGA Palette Snoop	Enabled	Enables PCI/VGA Palette Snoop.
	Disabled	Disables PCI/VGA Palette Snoop.
● Assign IRQ For VGA	Enabled	Assigns the needed IRQ for the VGA card.
	Disabled	Does not assign an IRQ for the VGA card, in order to release the IRQ.
● Assign IRQ For USB	Enabled	Assigns an IRQ for USB device.
	Disabled	Does not assign an IRQ for USB.



Integrated Peripherals Setup

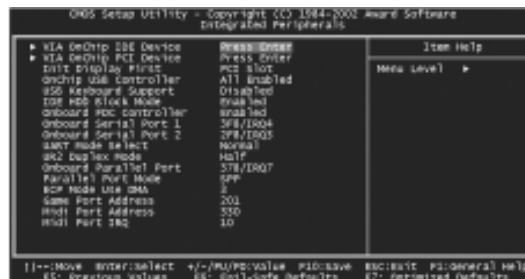


Figure-8 Integrated Peripherals Setup Menu

The following indicates the options for each item and describes their meaning.

Item	Option	Description
• VIA OnChip IDE Device	<i>Press Enter</i>	Enters to set the following items.
• OnChip IDE Channel 0/1	<i>Enabled</i> <i>Disabled</i>	Enables OnChip IDE First/Second Channel. Disables OnChip IDE First/Second Channel.
• IDE Prefetch Mode	<i>Enabled</i> <i>Disabled</i>	Enables IDE Prefetch Mode. Disables IDE Prefetch Mode.
• Primary/ Secondary Master/Slave PIO	<i>Mode 0 ~ 4</i> <i>Auto</i>	Defines the IDE primary/secondary master/slave PIO mode. The IDE PIO mode is defined by auto-detection.
• Primary/ Secondary Master/Slave UDMA	<i>Auto</i> <i>Disabled</i>	Ultra DMA mode will be enabled if an ultra DMA device is detected. Disables this function.
• VIA OnChip PCI Device	<i>Press Enter</i>	Enters to set the following items.
• VIA-3058 AC97 Audio	<i>Auto</i> <i>Disabled</i>	Enables the AC97 Audio. When CT5880 onboard, this item will hide. Disables the AC97 Audio.
• VIA-3068 MC97 Modem	<i>Auto</i> <i>Disabled</i>	Enables the MC97 Modem. Disables the MC97 Modem.



● Init Display First	<i>PCI Slot</i>	Initializes the PCI VGA first. If a PCI VGA card and an AGP card are installed together in the system, the one initialized first functions.
	<i>AGP</i>	Initializes the AGP first.
● OnChip USB Controller	<i>All Enabled</i>	Enables all Onchip USB controller.
	<i>All Disabled</i>	Disables all Onchip USB controller.
	<i>1&2/2&3/1&3</i>	Enables USB 1&2,2&3 or 1&3 controller.
	<i>USB Port</i>	Enables USB 1,2, or 3 controller.
● USB Keyboard Support	<i>Enabled</i>	Supports USB keyboard under legacy OS.
	<i>Disabled</i>	Does not support USB keyboard under legacy OS.
● IDE HDD Block Mode	<i>Enabled</i>	Allows IDE HDD to read/write several sectors once.
	<i>Disabled</i>	IDE HDD only reads/writes a sector once.
● Onboard FDC Controller	<i>Enabled</i>	Onboard floppy drive controller is enabled.
	<i>Disabled</i>	Onboard floppy drive controller is disabled.
● Onboard Serial Port 1/2	<i>3F8/IRQ4</i>	Defines the onboard serial port address and required interrupt number.
	<i>2F8/IRQ3</i>	
	<i>3E8/IRQ4</i>	
	<i>2E8/IRQ3</i>	
	<i>Auto</i>	Onboard serial port address and IRQ are automatically assigned.
● UART Mode Select	<i>Disabled</i>	Onboard serial port is disabled.
	<i>Normal</i>	Defines Serial Port as standard serial port.
	<i>IrDA</i>	Supports IrDA mode.
	<i>ASKIR</i>	Supports SHARP ASK-IR protocol with maximum baud rate up to 57600bps.
● UR2 Duplex Mode	<i>SCR</i>	Supports SCR mode.
	<i>Full</i>	Sets UR2 as full duplex mode.
	<i>Half</i>	Sets UR2 as half duplex mode.



● Onboard Parallel Port	<p><i>378/IRQ7</i> <i>278/IRQ5</i> <i>3BC/IRQ7</i> <i>Disabled</i></p>	<p>Defines onboard parallel port address and IRQ channel.</p> <p>Onboard parallel port is disabled.</p>
● Parallel Port Mode	<p><i>SPP</i> <i>EPP,ECP</i> <i>ECP+EPP</i></p>	<p>Defines the parallel port mode as Standard Parallel Port (SPP), Enhanced Parallel Port (EPP), or Extended Capabilities Port (ECP).</p>
● ECP Mode Use DMA	<p><i>1, 3</i></p>	<p>Sets DMA for ECP mode use.</p>
● Game Port Address	<p><i>201/209</i> <i>Disabled</i></p>	<p>Sets Game Port address. When CT5880 onboard, this item will hide.</p> <p>Disables Game Port.</p>
● MIDI Port Address	<p><i>300/330</i> <i>Disabled</i></p>	<p>Sets Midi Port address. When CT5880 onboard, this item will hide.</p> <p>Disables Midi port.</p>
● MIDI Port IRQ	<p><i>5,10</i></p>	<p>Sets Midi Port IRQ. When CT5880 onboard, this item will hide.</p>



PC Health Status

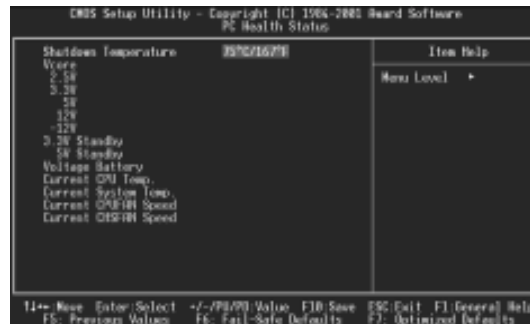


Figure-9 System Monitor Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Current</u>	<u>Description</u>
● Shutdown Temperature	Data Shown 75°C/167°F	The system will shut down automatically under the ACPI OS when the CPU temperature reaches the previous setting.
● Vcore 2.5V 3.3V 5V 12V -12V 3.3V Standby 5V Standby Voltage Battery		Displays current Voltage values including all significant voltages of the motherboard. 3.3V, 5V, 12V, -12V, 3.3V Standby and 5V Standby are voltages from the ATX power supply. Vcore Voltage is the CPU core voltage from the onboard switching Power Supply. The Voltage Battery is the voltage of the onboard battery.
● Current CPU Temp.		Temperature of the CPU.
● Current System Temp.		Temperature inside the chassis.
● Current CPUFAN Speed		Speed of fan(RPM: Revolution Per Minute) connected to the fan header CPUFAN,
● Current CHSFAN Speed		CHSFAN. Fan speed value is based on an assumption that tachometer signal is two pulses per revolution. In other cases, you should regard it relatively.



Supervisor/ User Password

When this function is selected, the following message appears at the center of the screen to assist you in creating a password.

ENTER PASSWORD

Type the password, up to eight characters, and press <Enter>. The password typed now will clear any previously entered password from CMOS memory. You will be asked to confirm the password. Type the password again and press <Enter>. You may also press <Esc> to abort the selection.

To disable password, just press <Enter> when you are prompted to enter password. A message will confirm the password being disabled. Once the password is disabled, the system will boot and you can enter BIOS Setup freely.

PASSWORD DISABLED

If you have selected “**System**” in “Security Option” of “Advanced BIOS Features” menu, you will be prompted for the password every time the system reboots or any time you try to enter BIOS Setup.

If you have selected “**Setup**” in “Security Option” of “Advanced BIOS Features” menu, you will be prompted for the password only when you enter BIOS Setup.

Supervisor Password has higher priority than User Password. You can use Supervisor Password when booting the system or entering “CMOS Setup” to modify all settings. Also you can use User Password when booting the system or entering “CMOS Setup” but can not modify any setting if Supervisor Password is enabled.



Appendix

QDI Utility CD for Non Intel Series

The QDI Utility CD for Non Intel Series is supplied with this motherboard. The contents contained in it are shown as below:

1. Install Driver

Using this choice, you can install all the drivers for your motherboard easily. You should install the drivers in order, and you need to restart your computer after all the drivers are installed.

- A. Chipset Software
- B. Audio Driver(optional)
- C. DirectX

2. Accessory

- A: QDI ManangeEasy(optional)
- B: QDI StepEasyII
- C: Norton AntiVirus
- D: QFlash

3. Browse CD

You could read all the contents contained in this CD, including Utility and Documents.

The files included in **Utility** are:

- A. Awdflash.exe
- B. Lf.exe
- C. Cblog.exe



LogoEasy II



Thank you for using QDI upgraded innovation--- LogoEasy II, which is completely compatible with LOGOEASY. LOGOEASY II can be easily operated in a Windows environment, following in steps with the trend. It has added the functions of supporting JPEG images and true color display of 64K and 16M colors with regard to JPEG-format graphics files and the high-precision display equipment, which are now widely used.

LOGOEASY II supports the high-resolution 640x480 or 800x600 image display and full-screen, top right corner or bottom right corner display. It also supports simultaneous display of logo and sign-on message of the BIOS testing system. LOGOEASY II is a tool that can be operated in multi-platforms to refresh and change LOGO graphics including DOS, WINDOWS9X, WINDOWSNT, WINDOWSME and WINDOWS XP. In particular, the tools under the interface of WINDOWS are simple and easy to operate. It teaches you by taking your hand how to change LOGO.

ITEM		LogoEasy II	LogoEasy
Colors	16 colors	×	×
	256 colors	✓	✓
	16M colors	✓	×
Resolution	640*480	✓	✓
	800*600	✓	×
Display Self-Test msg at the same time		✓	✓
Full Screen Logo		✓	✓
Display logo on corners		✓	✓

✓ ----- Support x ----- Not Support

When you power on or reset your system, the picture shown below will be displayed on the screen.

You can use "LogoEasy II" to replace it by any other logo which you want.

We provide two Utilities in the QDI Driver CD, which bring user the following two means to select:





A. Using CBLOGO.EXE Utility (Under DOS):

1. Copy "CBLOGO.EXE" and "AWDFLASH.EXE" from the directory \Utility located on QDI Driver CD to your hard disk.
2. Get the BIOS file from "AWDFLASH.EXE" or Download the BIOS file from the Website (<http://www.qdigrp.com>) and copy the BIOS file (xxxxxx.bin) to your hard disk.
3. Boot the system into DOS environment, Put your favor picture into BIOS file by "CBLOGO.EXE" command. For example: CBLOGO.EXE xxxxxx.bin myphoto.bmp
4. Flash the BIOS to motherboard by "AWDFLASH.EXE". For example: AWDFLASH xxxxxx.bin

B. Using QFlash (Under Windows):

1. Download the QFlash Utility from the Website (<http://www.qdigrp.com>) or get it from QDI Driver CD.
2. Run QFlash program step by step, following the directions until complete it.
3. Reboot the system, you can see the new picture displayed on the screen.

NOTE:

If you require more parameters information concerning "CBLOGO.EXE", please refer to the online help. If you don't prefer the logo displayed on the screen during bootup, set the "Show Bootup Logo" option as Disabled in CMOS Setup.

*** We reserve the right of modifying the default full-logo of QDI without further notification.**

BIOS_ProtectEasy



The BIOS of the mainboard is contained inside the Flash ROM. Severe viruses such as CIH virus are so dangerous that it may overwrite the BIOS of the mainboard. If the BIOS has been damaged, the system will be unable to boot. We provide the following solution which protects the system BIOS from being attacked by such viruses.

There are two choices which implements this function.

1. Set the jumper (JAV) as closed, the BIOS can not be overwritten.
2. Set the jumper (JAV) as opened, meanwhile set "Flash Write Protect" as Enabled in CMOS Setup. In this way, the BIOS can not be overwritten, but the DMI information can be updated.



RecoveryEasy II



Introduction:

RecoveryEasy II — the latest edition of RecoveryEasy, providing a more easy-to-operate and more secure and reliable tool for backing up and recovering the hard disk data. It will make your data on the hard disk more secure, and make your computer more reliable.

RecoveryEasy II will bring you invaluable experiences. It allows you to experience unprecedented security and reliability with its one-hotkey backup, one-hotkey recovery and powerful virus-free functions.

Features:

RcoveryEasy II has the following features:

⇒ **Secure Backup**

- (1) Backup area can be reserved automatically in the High Memory Block (HMB) and all of partitions can be adjusted automatically .
- (2) Backup area is invisible to any operating system and its upper software, making it impossible to be attacked completely.

⇒ **Ease to Operate**

- (1) RcoveryEasy II is supported in both Chinese and English. You can easily enter Backup or Recover interface by simply pressing hotkeys. Backup or recover operation can be done with simple choices.
- (2) User are not required to define the size of backup area. When backup start, it will automatically allocate an area in the High Memory Block (HMB) of hard disk as backup area upon the necessity of data storage, so as to improve the utilization of hard disk space.

⇒ **Advantage Function**

- (1) Multiform partition format can be supported in RcoveryEasy II, including FAT16, FAT32, NTFS etc.
- (2)The capability of supportable Hard Disk is up to 137GB.

⇒ **Flexible Combination**

The hard disk data can be choosed to be protected and restored as required.



The following attachment is Backup and Recovery Function table:

Backup	Backup content	Restore content
Partition Table	Partition Table	Partition Table
System Partition	System Partition+Partition Table	System Partition, PartitionTable
Whole Disk	All Partitions+Partition Table	System Partition, PartitionTable, Whole Disk
CMOS Setup	CMOS Setup	CMOS Setup

Menu Language and Hotkey Selection

Please press “DEL” key to enter CMOS setup during the POST(Power On Self Test), then user can see [RecoveryEasyII Setting] items of the “QDI Innovation features” menu, in which the language on RecoveryEasyII interface and hotkey could be selected .



figure-1 QDI Innovation Features

1 Menu language Select

We provide two menu language for user to select, English is the default.

2 Hot key for Backup

There are 12 options, including NULL and F2~F12. Key F11 is default.

If NULL is selected, Backup interface can not be used with pressing hotkey. If you select one key of the rest 11 options, you can enter Backup interface by pressing the hotkey you setup during POST.



3 Hot key for Recovery

There are 12 options, including NULL and F2~F12. Key F12 is default.

If NULL is selected, Restore interface can not be used with pressing hotkey. If you select one key of the rest 11 options, you can enter Recover interface by pressing the hotkey you setup during POST.

NOTE:

If the Backup hotkey and Recover hotkey have been set with the same key, the default will be Backup hotkey.

Hard Disk Selection Menu

If you installed the system with several IDE hard disks, and you have pressed the backup or restore hotkey during POST, hard disk selection menu will popup before you enter backup or recovery interface, in which all of the IDE hard disks installed on your system will be listed. You can scroll the highlight bar to the hard disk you want to work with using arrow key. Press ENTER to confirm, and the following operation will be performed on the selected hard disk:



figure-2 Hard Disk Select

Backup Function Introduction

press Backup Hotkey to enter Backup Interface during the POST(Power On Self Test), then the following interface will appear. You can scroll the highlight bar to the option you want to work with using arrow key. Press ENTER to confirm.

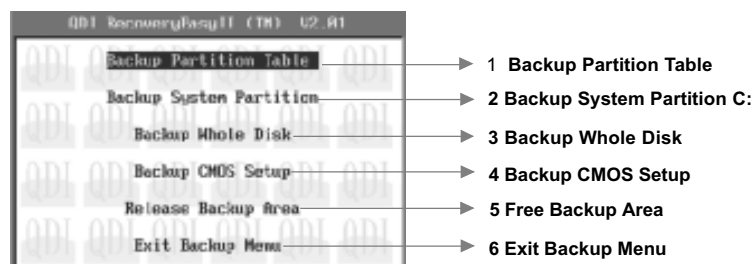


figure-3 Backup Interface

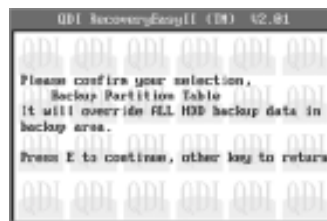


1 Backup Partition Table

It is used to backup partition table of current hard Disk. A partition table keeps the status of the hard disk partitions, such as the number of partitions, the type and size of each partition, etc. It is the most important information of the hard disk data structure. The incorrectness or loss of the table will result in the failure of reading data from the hard disk partitions.

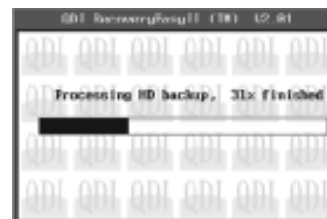
2 Backup System Partition

It is used to backup the system partition of current hard disk. It makes a backup of the data in the bootable partition (activated partition) of current hard disk, as well as the partition table.



3 Backup Whole Disk

It makes a backup of all the useful data on the hard disk, including partition table and the data in all partitions.



4 Backup CMOS Setup

It is used to backup the settings you have made in the CMOS Setup.

5 Release Backup Area

It is used to unload the backup data on the hard disk, freeing the hard disk space.



6 Exit Backup Menu

It is used to Exit Backup Interface.

figure-4 Backup process

Recovery Function Introduction

Press Recovery Hotkey to enter Recovery Interface during the POST (Power On Self Test), then the following interface will appear. You can scroll the highlight bar to the option you want to work with using arrow key. Press ENTER to confirm.

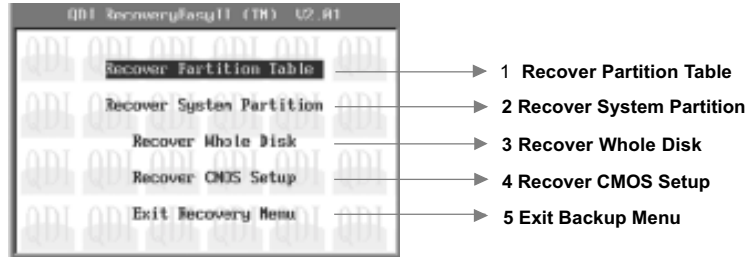
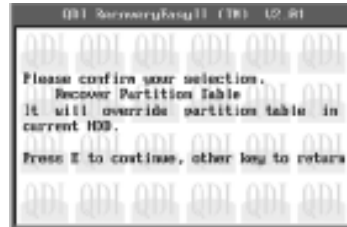


figure-5 Recover Interface

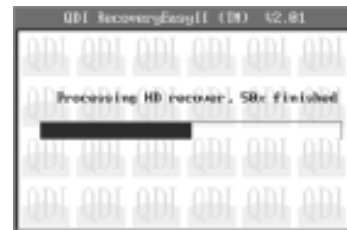
1.Recover Partition Table

It used to restore the partition table data stored in backup area to current Hard Disk.



2.Recover System Partition

It used to restore the system partition data stored in current backup area to current system partition. If current system partition doesn't match the backup system partition, a warning will be displayed indicating the recovery fails. This feature will only restore the bootable partition and contents in other partitions will be untouched.



3.Recover Whole Disk

It used to restore all the Hard Disk data stored in current backup area to current Hard Disk. This operation will restore the partition table and data in all partitions, as a result, existing data in current Hard Disk will be overwritten.



4.Recover CMOS Setup

This will restore the latest backup of the CMOS Settings you have made to the current CMOS.

5 Exit Recovery Menu

It is used to exit Recovery Interface.

figure-4 Recover process



BootEasy

BootEasy technology enormously improves the long BOOT process time of computers. Reducing the wait time every user has to suffer when starting their computer. BIOS without BootEasy has to perform many routines every time when the system starts, such as checking system core of the computer and initializing system peripherals. Now with the BootEasy, BIOS will not run these repetitive Processes any longer, PC can boot-up without any redundant waiting for the displaying of starting OS. BootEasy is quite easy to use, choose the right option in CMOS SETUP, (refer to QDI Innovation features) it can be easily booted quickly. BootEasy save all the information when PC first normally boot-up, and it restores all the parameters for the system and thus let the PC boot freely and rapidly.

**Note:**

1. Under the following conditions, PC will boot-up in normal way.
 - (1) PC boot-up for the first times after set option as Enabled.
 - (2) the system information saved by BIOS was damaged.
 - (3) PC fail to boot-up continually over three times.

Setting the jumper JAV as open if you encounter the above conditions.

2. Don't power off or reset system while BootEasy initializing.
3. set "QDI BootEasy Feature" as "Disabled" before you replace system equipment.
set "QDI BootEasy Feature" as "Enabled" after you accomplished replacing.

**Installation de la carte mère KuDoz 7E/333 :**

1. Assurez-vous que votre ensemble est complet: carte mère, câbles IDE et FLOPPY, notice d'utilisation et CD-ROM d'installation.
2. Vérifiez que l'alimentation est débranchée et reliez-vous à la terre par une courroie à votre poignet. A défaut, maintenez le contact de vos deux mains avec un objet lui-même relié à la terre, ou une partie en métal de votre système.
3. Fixez la carte mère dans le boîtier grâce aux vis fournies avec celui-ci.
4. Si votre carte mère est munie de cavaliers, placez les en fonction des options que vous souhaitez utiliser: réglage de la fréquence du processeur si votre carte n'est pas SpeedEasy, fonction allumage par saisie du mot de passe...(voir le manuel, rubrique «configuration des cavaliers» pages 13 à 16)
5. Insérez le processeur dans son logement avec son ventilateur que vous brancherez au connecteur «CPUFAN».
6. Insérez la/les barrette(s) mémoire dans les slots DIMM.
7. Installez vos éventuelles cartes PCI et AMR dans les slots prévus à cet effet (voir page centrale du manuel).
8. Branchez vos périphériques IDE et FLOPPY sur les connecteurs prévus à cet effet grâce aux nappes fournies avec la carte. Vérifiez que le sens de branchement est correct (liseré rouge du câble sur la broche 1 du connecteur).
9. Reliez les câbles du boîtier aux connecteurs prévus à cet effet (Connecteur d'alimentation, LED de marche/arrêt, disque dur, haut-parleur...voir manuel pages 9 à 12). Refermez le boîtier.
10. Branchez les périphériques externes sur les sorties du fond de panier: clavier, souris PS/2, périphériques USB, moniteur, imprimante...(voir manuel pages 7-8)
11. Lorsque tous les éléments du système sont installés physiquement, rebranchez l'unité centrale.

Installation du système.

1. Démarrez votre système en pressant le bouton «POWER».
2. Pressez la touche «Suppr» pour entrer dans le setup du BIOS.
3. Effectuez les réglages du BIOS selon votre configuration (nous vous conseillons fortement de maintenir les réglages par défaut afin d'éviter toute manipulation hasardeuse pouvant résulter en un dysfonctionnement). Pour plus d'informations sur les fonctions du BIOS, vous pouvez consulter la version française du manuel sur le CD-ROM.
4. Pressez la touche F10 ou choisissez «Save and exit» pour enregistrer vos paramètres et relancer la machine.
5. Installez votre système d'exploitation



6. Après installation, assurez-vous qu'il ne subsiste aucun conflit ou périphérique inconnu dans votre système.
7. Installation des pilotes:

Un CD-ROM d'utilitaires QDI est fourni avec chaque carte mère. Il contient:

1. Installation des pilotes :

Il est recommandé que les utilisateurs installent ce programme avec les options de base.

- A. Pilotes du chipset: les utilisateurs avancés peuvent choisir les options d'installation
- B. Pilote Codec Audio: les utilisateurs avancés peuvent choisir les options d'installation
- C. DirectX

2. Accessoires :

Les logiciels contenus dans ce répertoire sont :

- A. QDI ManageEasy(optional)
- B. QDI StepEasyII
- C. Norton Antivirus
- D. QFlash

3. Browse CD :

Vous pouvez voir le contenu du CD-ROM dans le répertoire Utility :

- A. AWDFLASH.EXE
- B. LF.EXE
- C. Cblog

QDI BootEasy

BootEasy est la dernière née des technologies Legend QDI.

Voir figure page 13 du manuel en anglais.

BootEasy permet au PC de démarrer plus rapidement lorsqu'on allume, reset ou relance le PC.

Avec le BootEasy, le PC peut démarrer en un instant, sans attente redondante pour afficher le démarrage du système d'exploitation.

BootEasy est facile à utiliser, il suffit de choisir l'option correcte dans le menu «Advanced Bios Features Setup».



BootEasy sauvegarde toutes les informations lorsque le PC boote et restaure les paramètres pour le système, permettant ainsi au PC de démarrer rapidement.

Note:

1. Le PC démarre de manière classique dans les cas suivants:
 - Premier démarrage après activation de l'option BootEasy
 - Informations sauvegardées endommagées
 - Echec au démarrage du PC à 3 reprises
2. N'arrêtez pas ou ne redémarrez pas le système lorsque BootEasy s'initialise
3. Placez «QDI BootEasy Feature» sur «Disabled» avant de changer un composant du système
Placez «QDI BootEasy Feature» sur «Enabled» après avoir effectué le changement.



Legend-QDI KuDoz 7E/333 Mainboard Installation :

1. Überprüfen Sie die Vollständigkeit des Lieferumfangs.: Legend-QDI KuDoz 7E/333 Mainboard, IDE- und Floppy- Kabel, Jumper, Legend-QDI KuDoz 7E/333's Benutzerhandbuch und Legend-QDI KuDoz 7E/333 Treiber Cd-Rom.
2. Achten Sie darauf, dass das Stromkabel nicht am PC Gehäuse angeschlossen ist. Um weiterhin zu vermeiden, dass es zu elektrostatische Aufladung kommt, berühren Sie bitte das Gehäuse oder einen Heizkörper, damit eventuell aufgebaute Spannungen gegen Masse entladen werden können.
3. Installieren Sie das Mainboard in das PC Gehäuse. Die notwendigen Schrauben werden mit dem PC Gehäuse beigelegt.
4. Falls einige Jumpereinstellungen für die Funktionalität des Mainboards notwendig sind, setzen Sie diese bitte korrekt. Nähere Informationen hierzu finden Sie im Benutzerhandbuch des KuDoz 7E/333 Mainboards. Im Normalfall müssen aber keine Jumper eingestellt werden. Die CPU wird automatisch erkannt. Nähere Informationen finden Sie im Handbuch auf den Seiten 13 – 16.
5. Legen Sie den Prozessor im Sockel und installieren Sie den Lüfter. Achten Sie darauf, dass der Lüfter fest auf der CPU sitzt. Die AMD Prozessoren haben meistens einen blauen Schutzfilm auf dem Prozessor – Die, diesen Film müssen Sie vorher abziehen, ansonsten wird der Prozessor nicht anständig gekühlt. Das Kabel des Lüfters stecken Sie im „CPUFAN“ – Anschluss auf dem Mainboard.
6. Installieren Sie die Speichermodule in den Speichersteckplätzen.
7. Installieren Sie die PCI Karten bzw. AMR/ACR – Karten in den jeweiligen Steckplätzen auf dem Mainboard (s. im Handbuch „Mainboard Layout“ im mittleren Teil des Legend QDI KuDoz 7E/333 Handbuches).
8. Verbinden Sie die IDE Geräte und das Floppy-Laufwerk bzw. Ziplaufwerke o.ä. mit Hilfe der beigelegten IDE Kabel. Die Anschlüsse auf dem Mainboard hierfür finden Sie ebenfalls im Benutzerhandbuch. Achten Sie darauf, dass die IDE Kabel mit der roten Seite auf Pin 1 des IDE Anschlusses gesteckt werden.
9. Bringen Sie die Anschlüsse des Gehäuses, wie z.B. für den Ein/Aus Schalter (Power Switch) an die Steckpfosten des Mainboards an. (Die Steckpfosten sind beschrieben) Nähere Informationen hierüber finden Sie im Kapitel “ “Internal Connectors” im Benutzerhandbuch (Seite 12 – 16).
10. Schließen Sie die externen Peripheriegeräte wie PS/2 Maus und – Tastatur bzw. die USB Geräte und den Monitor etc. an den I/O ATX Anschlüssen auf der Rückseite des PC Gehäuses an. Nähere Informationen finden Sie im Benutzerhandbuch unter “External Connectors” auf den Seiten 10 und 11.
11. Wenn Sie alle Geräte an dem PC System angeschlossen haben, schließen Sie den Stromanschluss am PC Gehäuse an.



System Installation :

1. Starten Sie den Rechner, indem Sie den Ein/Aus – Schalter des PC Gehäuses betätigen.
2. Drücken Sie die Taste «Entf » ,um ins Bios Setup einzusteigen.
3. Stellen Sie die BIOS Einstellungen entsprechend der aktuellen Systemkonfiguration. Wir empfehlen Ihnen die Werkseinstellungen zu belassen, um potentielle Systeminstabilität zu vermeiden. Nähere Informationen finden Sie im Benutzerhandbuch unter “BIOS Description”, die Sie auf den Seiten 19 - 30 finden.
4. Anschließend drücken Sie die Taste « F10 » und wählen „Save & Exit Setup“ im Bios Setup, um die Einstellungen zu speichern und das System neu zu starten.
5. Installieren Sie das Betriebssystem auf Ihrer Festplatte. Vergessen Sie nicht, die korrekt Bootsequenz im Bios einzustellen (z.B. CDROM, Floppy, HDD etc.).
6. Wenn Sie das Betriebssystem installiert haben, überprüfen Sie im Gerätemanager des Betriebssystems auf die Vollständigkeit der Installation, z.B. das alle Geräte installiert bzw. zumindest erst einmal erkannt wurden.
7. Anschließend installieren Sie die einzelnen Treiber für die jeweiligen Geräte.

Auf der Legend-QDI Treiber Cd-ROM finden Sie die Chipsatztreiber und einige nützlichen Programme z.B. Virens Scanner etc.

1.Treiber - Installation

Wenn Sie die Legend – QDI Treiber CD einlegen wird automatisch ein Menü gestartet, um die notwendigen Treiber zu installieren. Anschließen muß der Rechner nur noch neu gestartet werden. Aktuelle Treiber finden Sie allerdings auch im Internet, z.B. unter www.viatech.com für die VIA 4in1 Treiber.

- | | |
|---------------------|-------------------|
| A. Chipset software | B. Network Driver |
| C. Audio Driver | D. MIDI Driver |
| E. DirectX | |

2. Zubehör

- | | |
|-----------------------------|-------------------|
| A. QDI ManageEasy(optional) | B. QDI StepEasyII |
| C. Norton AntiVirus | D. QFlash |



3. Treiber CD unter Windows Explorer aufrufen

Weiterhin können Sie auch in den individuellen Verzeichnisse der Treiber CD einsehen, z.B. mit Hilfe des Windows Explorers. Hier finden Sie Utilities und Dokumente.

Folgende **nützliche Programme (Utilities)** finden Sie weiterhin auf der CD:

- A. Awdflash.exe (Bios- Update Utility)
- B. Cblog.exe (Bootlogo)
- C. Lf.exe (Low Format für HDD)

**Instalación de la placa base Legend-QDI KuDoz 7E/333:**

1. Asegúrese que se incluyen los siguientes artículos: Placa base Legend-QDI KuDoz 7E/333, 1 cable de datos para el puerto IDE y 1 cable de datos para el Floppy, jumpers, 1 manual de usuario Legend-QDI KuDoz 7E/333 y un disco compacto con los controladores de la placa base Legend-QDI KuDoz 7E/333.
2. Asegúrese de que el cable de la fuente de alimentación esta desconectado y asegúrese de estar en contacto a masa utilizando una pulsera antiestática. Si no dispone de dicha pulsera, toque un objeto directamente conectado a masa o una parte metálica de su equipo como puede ser la caja de este.
3. Fije la placa base en la caja de su equipo con los tornillos especiales que acompañan a su caja.
4. Si la placa base necesita configurarse mediante jumpers, seleccione el valor correcto para la configuración de su equipo, como la frecuencia del procesador si su placa base no utiliza la tecnología QDI SpeedEasy de Legend-QDI, la opción de iniciar el sistema mediante contraseña, etc. (Consulte la sección "Jumper Settings" del manual de su placa base Legend-QDI KuDoz 7E/333, desde la página 13 hasta la página 16).
5. Inserte el procesador en el socket y conecte el ventilador del procesador en el conector de su placa base Legend-QDI KuDoz 7E/333 marcado como "CPUFAN".
6. Inserte los módulos de memoria en los bancos de memoria DIMM de su placa base Legend-QDI KuDoz 7E/333.
7. Inserte las tarjetas PCI y/o la tarjeta ACR/AMR y AGP en las bahías de expansión de su placa base Legend-QDI KuDoz 7E/333 (localícelas en "el esquema de su placa base" en la parte central del manual de usuario de la placa base Legend-QDI KuDoz 7E/333).
8. Conecte los periféricos internos IDE y las disqueteras mediante los cables de datos específicos a su placa base Legend-QDI KuDoz 7E/333. Asegúrese que la orientación de los cables sea la correcta.
9. Conecte los cables de la caja del ordenador a su placa base Legend-QDI KuDoz 7E/333, como el conector de la fuente de alimentación, los testigos de corriente, y lectura de disco duro, interruptores de inicio y reset etc... (Consulte el apartado "Internal Connectors" s en el manual de usuario de su placa base Legend-QDI KuDoz 7E/333, desde la página 12 hasta la página 16). Después cierre la caja del ordenador.
10. Conecte los diferentes periféricos externos como el teclado PS/2, ratón PS/2, serie o USB, los dispositivos USB, el monitor y la impresora a la placa base Legend-QDI KuDoz 7E/333. (Consulte el apartado "External Connectors" del manual de usuario de su placa base Legend-QDI KuDoz 7E/333 desde la página 10 hasta la página 11).
11. Cuando todo este integrado en configuración, vuelva a conectar su equipo a la red eléctrica.



Instalación del sistema:

1. Encienda su equipo mediante el interruptor de encendido de la caja.
2. Presione la tecla « Supr » para entrar en el menú de configuración de la BIOS.
3. Seleccione los valores de la Bios en concordancia con la configuración de su sistema (Nosotros le recomendamos que deje los valores establecidos por la Bios por defecto, para evitar posibles fallos que ocasionen que su sistema no funcione correctamente). Para más información las funciones de la Bios, consulte el apartado "BIOS Description" en el manual de usuario de la placa base Legend-QDI KuDoz 7E/333, desde la página 19 hasta la página 35).
4. Presione la tecla « F10 » y seleccione la opción «Save & Exit Setup» en el menú de configuración de la Bios para guardar los cambios y reiniciar el sistema.
5. Instale el sistema operativo en el disco duro, no se olvide de seleccionar la secuencia de inicio correcta para que el sistema operativo pueda iniciarse.
6. Después de la instalación del sistema operativo, asegúrese que no hay conflictos con ningún dispositivo de su sistema.
7. Entonces, después del último paso, proceda a la instalación de los controladores de los diferentes dispositivos.

Un disco compacto con controladores de Legend-QDI esta incluido en el paquete de la placa base Legend-QDI KuDoz 7E/333.

1. Instalación de los controladores

Usted puede instalar todos los controladores para su placa base facilmente. Tiene que instalar los controladores en el siguiente orden para un correcto funcionamiento del sistema, y es necesario reiniciar el equipo antes de finalizar la instalación de los controladores.

- | | |
|---------------------|-------------------|
| A. Chipset software | B. Network Driver |
| C. Audio Driver | D. MIDI Driver |
| E. DirectX | |

2. Accesorios

- | | |
|------------------------------|-------------------|
| A. QDI ManangeEasy(optional) | B. QDI StepEasyII |
| C. Norton AntiVirus | D. QFlash |

3. Navegue por el CD

Usted puede leer todos los documentos incluidos en este CD, incluidos Utility and Documents.

Los ficheros incluidos en **Utility** són:

- | | |
|-----------------|--------------|
| A. Awdflash.exe | B. Cblog.exe |
| C. Lf.exe | |



Installazione della schedamadre Legend-QDI KuDoz 7E/333 :

1. Controlla che la confezione sia completa di: scheda madre Legend-QDI KuDoz 7E/333 cavi per il Floppy e l'IDE, I ponticelli, manuale d'uso Legend-QDI KuDoz 7E/333 ed il cd-rom con tutti i driver per Legend-QDI KuDoz 7E/333.
2. Assicurarsi che il cavo di corrente sia staccato dal computer, ed accertarsi di essere in contatto con la massa usando una cinghia speciale. Senza la cinghia, tocca qualcosa collegato direttamente alla massa o una parte d'acciaio del tuo computer.
3. Fissa bene la scheda madre con il speciale giravite compreso con il la gabbia del computer.
4. Se la scheda madre ha bisogno di usare I ponticelli, assicuratevi di impostarli in modo corretto come e specificato nelle varie configurazioni, come le frequenze dei vari processori se la scheda madre non usa la tecnologia Legend-QDI SpeedEasy, la funzione della password dell atastiera turn-on.....(consulta la parte "Jumper Setting" del manuale della Legend-QDI KuDoz 7E/333 dalla pagina 13 alla pagina 16).
5. Inserisci il processore ed il ventilatore nella socket della scheda madre Legend-QDI KuDoz 7E/333 che e chiamato "CPUFAN".
6. Inserisci la memoria nelle DIMM slots della Legend-QDI KuDoz 7E/333.
7. Inserisci nello slot la scheda PCI e/o della AMR della scheda madre Legend-QDI KuDoz 7E/333 (Guarda la foto principale della schedamadre che e' situate al centro della pagina del manuale d'uso della Legend-QDI KuDoz7.
8. Collega le periferiche interne IDE ed la periferica Floppy nel loro specifico morsetto usando il cavo ribbon della scheda madre Legend-QDI KuDoz 7E/333. Assicurarti che l'orientamento del cavo sia corretto. (La linea rossa deve essere essere inserita nel morsetto pin numero 1).
9. Collega I cavi del computer alla schedamadre Legend-QDI KuDoz 7E/333 come l'alimentatore, il morsetto switch, il filo del morsetto della corrente, il morsetto del disco duro, il morsetto degli speaker(Consulta I "morsetti interni " parte del manuale della scheda madre Legend-QDI KuDoz 7E/333, dalla pagina 12 alla pagina 16). Dopo chiusi il computer.
10. Collega I vari morsetti della tastiera PS/2, il mouse PS/2, l'USB interna, il monitor e la stampante della scheda madre Legend-QDI KuDoz 7E/333. (Consulta I "morsetti esterni" del manuale della scheda madre Legend-QDI KuDoz 7E/333, da pagina 10 fino alla 11).
11. Quando tutto e' stato aggiunto alla configurazione del sistema, puoi ricollegare il cavo di corrente.



System's installation :

1. Accendi il sistema usando il swith del computer.
2. Tenere premuto il tasto <> per potere entrare nel settaggio del BIOS.
3. Setta il settaggio del BIOS come il sistema e' stato configurato (Noi strettamente raccomandiamo di avere il settaggio BIOS default in modo da evitare azzardosi controlli per il sistema che potrebbe non lavorare bene).per piu' informazioni sull'uso del BIOS, consultate nel manuale <<DESCRIZIONE DEL BIOS>> della schedamadre Legend-QDI KuDoz 7E/333, dalla pagina 19 alla pagina 35).
4. Premere il tasto <<F10>> o scegli «Save & Exit Setup» nel setup del BIOS per far si che il sistema salva le modifiche fatte e farlo ripartire.
5. Istallare il sistema operativo nel disco duro , e assicurarsi che il la sequenza boot sia attiva per far sii che il sistema puo' partire.
6. Dopo avere installato il sistema operativo, procedere con l'installazione ditutte le periferiche.
7. Poi dopo quest'ultima fase, procedere con l'installazione dei driver per tutte le periferiche.

Nello scatola della schedamadre QDI KuDoz 7E/333 e' incluso il cd con tutti i driver per la scheda madre.

1.Installazione dei driver.

Usando queste scelte, si possono installare tutti i driver molto piu' facilmente.

Si devono installare i drver in ordine e il pc deve essere riacceso fino a quando tutti i driver sono istallati.

- | | |
|-------------------------|-----------------------|
| A. Software del chipset | B. Driver del network |
| C. Driver del suono | D. Midi driver |
| E. Direct X | |

2. Accessori

- | | |
|------------------------------|-----------------|
| A. QDI ManangeEasy(optional) | B. QDI StepEasy |
| C. Norton Antivirus | D. QFlash |

3.Esplora il CD

Esplorando il cd Si possono leggere tutte le informazioni riguardante la scheda madre, inclusi tutti documenti.

Il contenuto delle UTILITY sono:

- | | |
|-------------------|--------------|
| A. Awdf.flash.exe | B. Cblog.exe |
| C. Lf.exe | |

Motherboard Layout

Note:
This layout is just for your reference.