

Declaration of conformity



QUANTUM DESIGNS(HK) LTD.

**5/F Somerset House, TaiKoo Place 979 Kings Road,
Quarry Bay, Hong Kong**

declares that the product

GeniuX 1 Mainboard

is in conformity with

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

- | | |
|--|---|
| <input checked="" type="checkbox"/> EN 55022 | Limits and methods of measurements of radio disturbance characteristics of information technology equipment |
| <input checked="" type="checkbox"/> EN 50081-1 | Generic emission standard Part 1:
Residential, commercial and light industry |
| <input checked="" type="checkbox"/> EN 50082-1 | Generic immunity standard Part 1:
Residential, commercial and light industry |

European Representative:

QDI COMPUTER (UK) LTD

QDI COMPUTER (SCANDINAVIA) A/S

QDI SYSTEM HANDEL GMBH

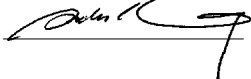
QDI COMPUTER (NETHERLANDS) B. V.

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Signature :  . Place / Date : HONG KONG/1999

Printed Name : Anders Cheung Position/ Title : President

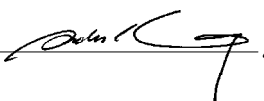
Declaration of conformity



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Model Name:	GeniuX 1
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Type of Product:	Mainboard
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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.

Signature :  Date : 1999



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Chapter 1

Introduction

Overview

The GeniuX 1 is a highly integrated, high performance mainboard designed for mid-range and higher-end servers and workstations. It is centered on the Intel®440GX AGPset and supports single or dual Intel Pentium®II/ Pentium®III/Celeron™ processors with 66/100MHz host bus speed. It supports up to 2GB of ECC memory. It provides advanced features such as wake-up on LAN, wake-up on internal/external modem, keyboard password power-on, ManageEasy, LDCM(option) and SecurityEasy function. Together with its onboard 10/100Mbps Ethernet LAN using Intel 82558 chip and onboard Ultra 2 and Narrow/ Wide SCSI using Adaptec AIC7890 and AIC3860 chips, you get a powerful system for critical business server applications.

Key Features

Microprocessor

- Supports single or dual Intel Pentium®II/Intel Pentium®III processors 233/266/300/333MHz with 66MHz host bus speed.
- Supports single or dual Intel Pentium®II/Intel Pentium®III processors 350/400/450/500/550/600MHz with 100MHz host bus speed.
- Supports Intel® Celeron™ Processors at 266/300/333/366/400/433/466/500MHz
- Supports 66/100MHz host bus speed.
- CPU core frequency = Bus speed x2, x2.5, x3, x3.5, x4, x4.5, x5, x5.5, x6, x6.5, x7, x7.5, x8.
- Provides onboard 1.5V and 2.5V regulator.
- The CPU core and L2 Cache voltage adjustable from 1.3V to 3.5V automatically through onboard switching voltage regulator with VID(Voltage ID).

Chipset

- Intel®440GX AGPset: 82443GX, 82371AB(PIIX4E)

System memory

- Provides four 168 pin 3.3V unbuffered DIMM sockets.
- Supports 66/100MHz SDRAM memory and registered memory.
- Supports maximum memory capacity up to 2GB.
- SDRAM 64 bit data interface with ECC support.

On-board IDE

- Supports two PCI PIO and Bus Master IDE ports.



- Two fast IDE interfaces supporting four IDE devices including IDE hard disks and CD-ROM drives.
- Supports up to PIO Mode 4 timing.
- Supports "Ultra DMA/33" Synchronous DMA mode, transferring data up to 33Mbytes/sec, compatible with Ultra DMA/66 HDD.
- Integrated 16x32bit buffer for IDE PCI Burst Transfers.

On-board I/O

- Use Winbond W83977EF super I/O chip.
- 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 compatible UART (COM1/COM2/COM3/COM4 selective) with 16-byte send/receive FIFOs.
- One enabled parallel port at the I/O address 378H/278H/3BCH with additional bi-direction I/O capability and multi-mode as SPP/EPP/ECP (IEEE 1284 compliant).
- Circuit protection provided, preventing damages to the parallel port when a connected printer is powered up or operates at a higher voltage.
- Supports LS-120 floppy disk drive.
- All I/O ports can be enabled/disabled in the BIOS setup.

Onboard SCSI

- Based on the Adaptec AIC-7890 PCI to SCSI controller and AIC-3860 chip.
- Supports Ultra 2(LVD, HVD, SE), Wide and Narrow SCSI interface.
- Data transfer rate up to 80MB/Sec.
- Provides drivers for Dos, Windows 95, Windows NT, Netware, OS/2, SCO Unix, Unixware.
- SCSI terminator can be enabled/disabled automatically.
- Provides an external wide SCSI cable. (manufacturing option)

Onboard LAN

- Based on the Intel 10/100Mbps PCI to LAN controller 82558.
- Supports auto-negotiation protocol.
- Supports Full Duplex Flow Control.
- Supports Wake-up On LAN (WOL).
- Supports Adapter Fault Tolerance (AFT).
- Supports Adaptive Load Balancing (ALB).
- Supports Fast Ether Channel (FEC).
- Supports Hotplug.

Advanced features

- Provides Trend ChipAwayVirus® On Guard.
- Provides on-board PS/2 mouse and PS/2 keyboard ports.
- Supports two USB ports.
- Supports both internal and external Modem Ring Power-On.



- Provides infrared interface.
- Supports Windows 95/98 software power-down.
- Supports wake-up on LAN and wake-up on internal/external modem.
- On-board LM80 supports system monitoring (monitors CPU and system temperatures, system voltages and FAN speed).
- LM75 monitors the temperature of the CPU.
- Supports keyboard password power-on function.
- Protects the system BIOS from being attacked by severe virus such as CIH, by enabling "Flash Write Protect" in CMOS setup.
- Provides management application such as ManageEasy and LDCM(LANDesk®Client Manager).
- System status resumes after AC power failure

BIOS

- Licensed advanced AWARD BIOS, supports DIP flash ROM with 2M bits memory size, plug and play ready.
- Supports IDE CD-ROM or SCSI boot up.

Green function

- Supports ACPI (Advanced Configuration and Power Interface) and ODPM (OS Directed Power Management).
- Supports three green modes: Doze, Standby and Suspend.

SecurityEasy function

- Provides advanced SecurityEasy function
- Three ways are provided to enter the SecurityEasy lock status: sleep button/ Keyboard Inactive Timer/ Hot key.
- Power switch, reset button, PS/2 mouse and keyboard are locked in the SecurityEasy lock status.

Expansion slots

- 4 PCI slots and 2 ISA slot.
- 1 AGP slot.

Board size

- 320mm x 311.5mm.



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



Chapter 2

Installation Instructions

This section covers Jumper Settings, Processor Installation, Expansion cards, External Connectors and Memory Configuration. Refer to the mainboard layout chart for locations of all the jumpers, external connectors, slots and I/O ports. Furthermore, this section lists all necessary connector pin assignments for your reference. The particular state 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.

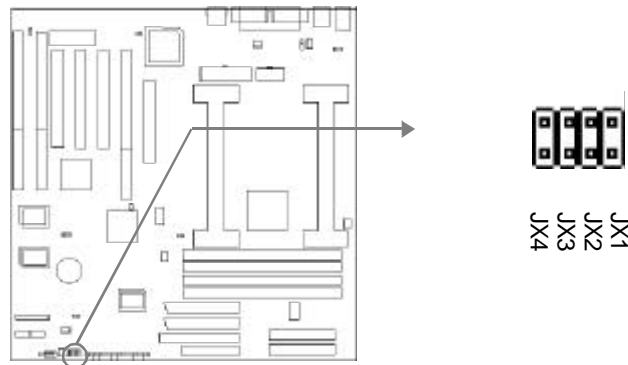
Be sure to unplug the AC power supply before adding or removing expansion cards or other system peripherals, otherwise your mainboard and expansion cards might be severely damaged.

Jumper Settings

Jumper settings are located on the mainboard. Pin 1 of all jumpers are located on the side with a thick white line (Pin 1 → ) , referring to the mainboard silkscreen. Jumpers with two pins will be shown graphically as  for close and  for open. Jumpers with three pins will be shown as  to represent pin1 & pin2 connected and  to represent pin2 & pin3 connected.

Clock Multiple Selection (JX4,JX3,JX2,JX1)

These jumpers set the frequency ratio between the Internal frequency of the CPU and the external frequency (namely the Front Side Bus). The system can determine the external frequency (FSB) of the CPU automatically. The Front Side Bus multiplied by the Clock Multiple equals the CPU's frequency.



**Clock Multiple Selection Table**

FREQ.MUT	JX1	JX2	JX3	JX4
2	Close	Close	Close	Close
2.5	Open	Close	Close	Close
3	Close	Open	Close	Close
3.5	Open	Open	Close	Close
4	Close	Close	Open	Close
4.5	Open	Close	Open	Close
5	Close	Open	Open	Close
5.5	Open	Open	Open	Close
6	Close	Close	Close	Open
6.5	Open	Close	Close	Open
7	Close	Open	Close	Open
7.5	Open	Open	Close	Open
8	Close	Close	Open	Open

Carefully set the processor frequency by referring to the list below. The default setting is 400MHz.

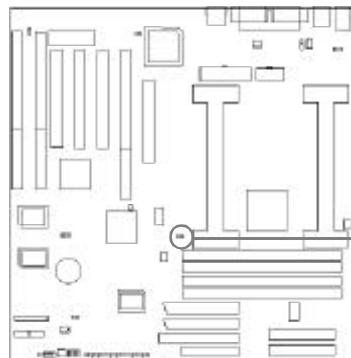
CPU Model	Freq. (MHz)	FSB (MHz)	Multiple	JX1	JX2	JX3	JX4
Pentium®II/ Pentium®III/ Celeron™	233	66	3.5	Open	Open	Close	Close
	266	66	4.0	Close	Close	Open	Close
	300	66	4.5	Open	Close	Open	Close
	333	66	5.0	Close	Open	Open	Close
	366	66	5.5	Open	Open	Open	Close
	400	66	6.5	Open	Close	Close	Open
	400	100	4.0	Close	Close	Open	Close
	350	100	3.5	Open	Open	Close	Close
	450	100	4.5	Open	Close	Open	Close
	500	100	5.0	Close	Open	Open	Close
	550	100	5.5	Open	Open	Open	Close
	600	100	6.0	Close	Close	Close	Open
	650	100	6.5	Open	Close	Close	Open
	700	100	7.0	Close	Open	Close	Open
	750	100	7.5	Open	Open	Close	Open
	800	100	8.0	Close	Close	Open	Open



Note: GeniuX 1 supports dual Celeron™ processors solution by using QDI socket 370 CPU card. (Ver 2.0)



Overclocking Jumper Setting (JP1)

Jumpers labeled JP1 are located on the mainboard providing users with CPU overclocking feature. The host bus speed can be set as 100 FSB or AUTO select. Refer to the chart below for the location of these jumpers, and the table for information on how to set them.



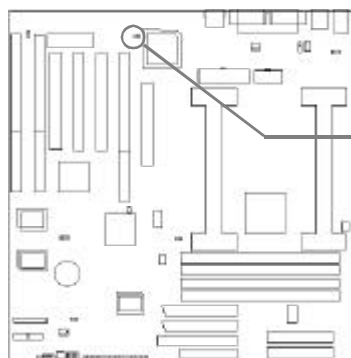
	OPEN: 100M FSB
	CLOSE: AUTO DETECT



if jumper JP1 is set as close (default setting AUTO DETECT), the system detects the CPU front side bus (66/100MHz) automatically. If jumper JP1 is set as open(100 FSB) , the system can run at 100MHz front side bus even if a processor with 66MHz FSB is installed. However, whether or not your system can be overclocked depends on your processor's capability. Whether the processor is bus ratio locked or unlocked should also be taken into account. For bus ratio unlocked processor, this overclocking feature can be implemented by setting CPU FSB as 100MHz, meanwhile set the bus ratio (Multiplier) lower by setting these jumpers (Jx4~Jx1) manually.

Note: We do not guarantee the overclocking system to be stable, you are suggested not to overclock your computer for security

Enable/Disable onboard LAN (JP15)

If using onboard LAN, close JP15 (default). Otherwise, set JP17 open for disabling the onboard LAN.

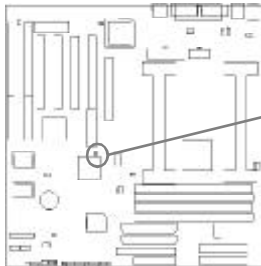


Enable:		JP15
Disable:		JP15



Enable/Disable onboard SCSI (JP10)

If using onboard SCSI, close JP10 (default). Otherwise, set JP10 open for disabling the onboard SCSI.



Enable:



1
2

JP10

Disable:

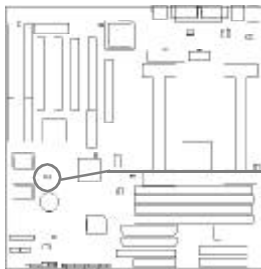


1
2

JP10

Clear CMOS (JP3)

If you want to clear CMOS, unplug the AC power supply first, close JP3 (pin1& pin2) once, set JP6 back to normal status with pin2 & pin3 connected, then power on the system.



Normal status:



1 2 3
JP3

Clear CMOS:



1 2 3
JP3

BIOS Write Protection Jumper (JAV)

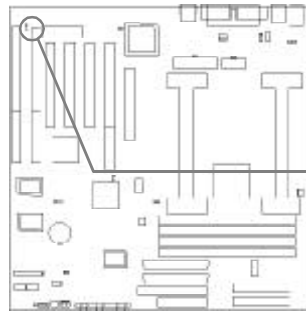
The BIOS of the mainboard is contained inside the Flash ROM. Severe viruses such as CIH virus are so dangerous that it may overwrite the BIOS for the mainboard. If the BIOS has been damaged, the system will be unable to boot. So we provide hardware and software solution which protects the system BIOS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

There are two choices which implement BIOS Write Protection

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

If the jumper JAV is set as close (default), meanwhile disabling the "Flash Write Protect" item from "BIOS Features Setup" in AWARD BIOS CMOS Setup, allows you to flash the BIOS to the Flash ROM; if the jumper JAV is set as open, you will be unable to flash the BIOS to the mainboard.

Refer to page 25 for related BIOS setting



Flash Write Enabled



JAV

Flash Write Disabled



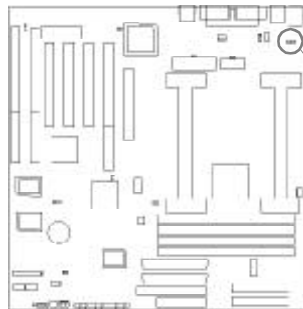
JAV

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 open makes flashing BIOS and updating DMI information impossible. Therefore, set JAV as closed when changing the system hardware configuration, or the error message "Unkown Flash Type" will be displayed on the screen, and DMI information update will be fail.

we recommend you set the jumper JAV as closed after the system is installed.

Enable/Disable keyboard password power-on function (JKB)

The mainboard provides the advanced keyboard password power-on function. When wanting to use this function, set JKB with pin1 & pin2 closed. Otherwise, set JKB with pin2 & pin3 closed for disabling this function.



Disable: JKB



Enable: JKB



In order to implement this function, set "KB Power On Password" from the " Intergrated Peripherals " section of the BIOS. Then you can power up the system either by using the keyboard or by the power switch.

Note: If using this function, 5VSB line of the power supply should be capable of delivering enough curren for all the devices connected to the keyboard port, if not, you will be unable to power up the system using the key board.



Expansion Cards

PCI1, PCI2, PCI3, PCI4

The PCI bus uses its own internal interrupt system for dealing with requests from the cards on the bus. These interrupts are often called "PIRQ#A", "PIRQ#B", "PIRQ#C", "PIRQ#D" to avoid confusion with the normal numbered system IRQs (IRQ0~15). These interrupts, if needed by cards in the slots, are mapped to the normal system IRQs. The following table shows how the onboard devices such as onboard SCSI or LAN, and PCI slots connect these internal interrupts.

PCI Interrupt	PIRQ#A	PIRQ#B	PIRQ#C	PIRQ#D
Onboard Device	——	LAN	SCSI	——
AGP	AGP	——	——	——
USB	——	——	——	USB
PCI Slots (Refer to above chart)	PCI 2	PCI 1	PCI 4	PCI 3

According to the above table, AGP and PCI slot 2 occupy PIRQ#A of the PCI interrupt, onboard LAN and PCI slot 1 occupy PIRQ#B, onboard SCSI and PCI slot 4 occupy PIRQ#C, USB and PCI slot 3 occupy PIRQ#D. With the advent of the PCI bus and its associated PCI bus devices, shareable interrupts have become a common occurrence. However whether or not the PCI bus devices can successfully share interrupts have relationship with OS or device driver. If you encounter problems regarding PCI devices, refer to the above table in order to deal effectively with the problems created by shareable interrupts.

Since PCI slot 1 and PCI slot 4 occupy the same arbitration signal lines (REQ#/GNT#), therefore PCI bus master devices can not be simultaneously installed in PCI 1 and PCI 4 slots.

Narrow SCSI

Narrow SCSI interface uses an 8-bit bus and a 50-pin connector. It supports Ultra narrow SCSI peripherals and supports data transfer rate of 20MB/S. Be sure the red side of the cable is aligned with the end of the connector which is marked with " Δ ". We provide internal 50-pin narrow SCSI cable with 3 heads for user.

Wide SCSI

Wide SCSI interface uses a 16-bit bus and a 68-pin connector. It supports Ultra Wide SCSI peripherals and supports data transfer rate of 40MB/s. We provide external 68-pin wide SCSI cable with bracket for user.

Ultra 2 SCSI

Ultra 2 SCSI interface use a 16-bit bus and a 68-pin connector. It supports Wide Ultra2 SCSI peripherals and supports data transfer rate of 80MB/S. We provide internal 68-pin Ultra 2 SCSI cable with 5 headers for user.



Please note:

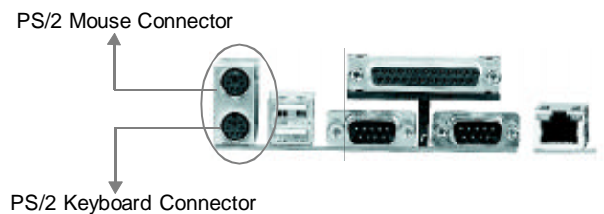
1. Ultra Wide SCSI HDDs can be connected to either Wide SCSI connector or Ultra2 SCSI connector. In both ways the data transfer rate is 40MB/S.
2. Ultra 2 SCSI HDDs can also be connected to either Ultra 2 SCSI connector or Wide SCSI connector. Supports the data transfer rate of 80MB/S only when connecting to Ultra 2 SCSI connector. If connecting to Wide SCSI connector, the data transfer rate is 40MB/S
3. If an Ultra wide SCSI HDD is connected to Ultra 2 SCSI channel, and all other HDDs connected are Ultra 2 SCSI HDDs, the data transfer rate supported will be 40MB/ S for all.



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.



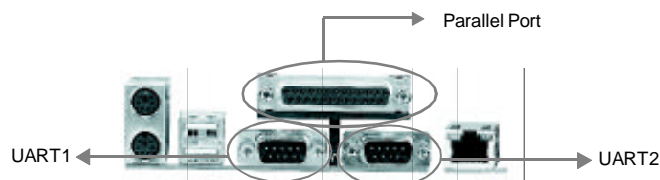
USB1, USB2

Two USB ports are available for connecting USB devices.



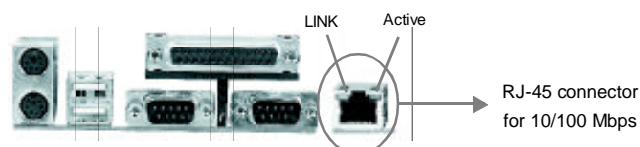
Parallel Port Connector and Serial Port Connector (UART1, UART2)

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



LAN Connector

The onboard LAN supports IEEE802.3 10 BASE-T and 100 BASE-TX. An RJ-45 connector is provided for twisted-pair cabling. Data transfer speed is automatically determined by the auto-negotiation protocol. Two LED indicators are provided: LINK and Active.





Power Supply Connector(ATX, AUX)

The GeniuX 1 green mainboard supports the standard industrial ATX power supply . Check the ratings of the power supply installed to ensure it meets the following requirements.

Power requirement

Normally the maximum rating power for the power supply installed should be at least 300W. If there are too many peripheral devices in your system, a stronger power supply is needed.

Current requirements

Voltages	+3.3V	+5V	+12V	-5V	-12V	5VSB
Currents	14A	24A	10A	0.25A	0.5A	0.72A

The 5VSB line current of the power supply should be taken into consideration. If it is less than 0.72A, the system may not work properly. If a PCI card using 5VSB line is inserted, the 5VSB line current of the power supply should be more.

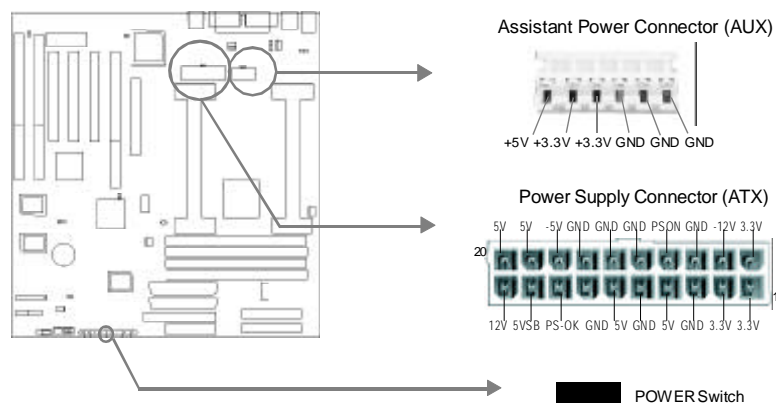
The mainboard provides two power connectors (ATX, AUX), as noted below:

Assistant Power connector(AUX) is an optional connector. If there are too many peripheral devices in your system, a power supply with this assisatnat power connector is recommended to be used.

Power Switch (POWER)

The power switch (POWER) should be connected to a momentary switch. When powering up your system, first turn on the mechanical switch of the power supply (if one is provided), then push once the button of the power switch. When powering off the system, you needn' t turn off the mechanical switch, just push once the button of the power switch.

If you change "soft-off by PWR-BTTN" from default "Instant-off" to "Delay 4 Secs" in BIOS Setup (POWER MANAGEMENT SETUP), the power button should be pressed for more than 4 seconds before the system powers down.





Hard Disk LED Connector (HDLED)

The connector connects to the case's HDD LED indicating the activity status of IDE hard disk/CD-ROM drive or SCSI hard disk/CD-ROM drive. The connector with 2-pin plug has an orientation. If one way doesn't work, try reversing the 2-pin plug, but not to connect the middle 2-pin; the connector with 4-pin plug has no orientation, free to connect.

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 (PWRLED)

The power LED has two status. When the system is in power-off status, the LED is off. When the system is powered up, the LED is on.

Key-Lock Connector (KEY_L)

The connector can be connected to the keyboard lock switch on the case for locking the keyboard.

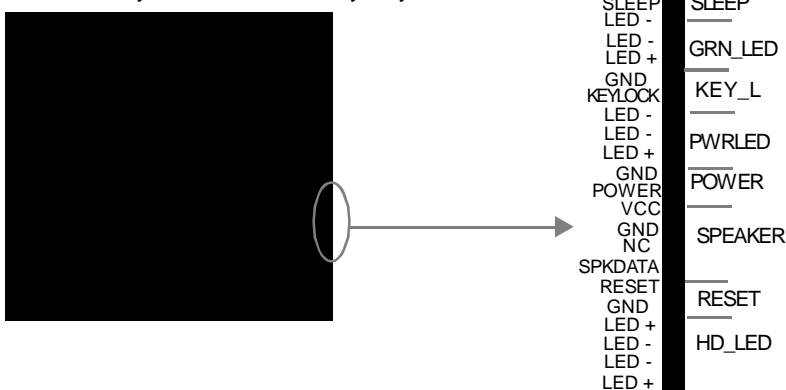
ACPI LED Connector (GRN_LED)

The LED Connected to this header shows the status of the system as described below:

LED Status	System Status
Off	The system is in power-off status.
On	The system is in power-up status.
Flashing's frequency of 1 time/second	The system is in Green Mode.
Flashing's frequency of half time/second	The system is in SecurityEasy Lock status.

Hardware Green Connector (SLEEP)

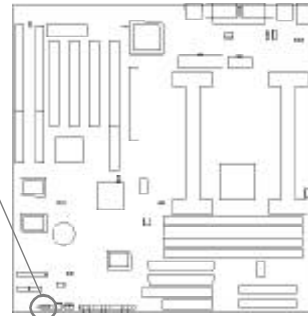
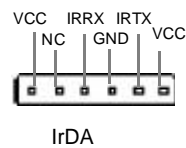
Push this switch once, the system enters suspend mode. Push the switch again, the system will be woken up. If the SecurityEasy function is enabled, pushing the switch enables the system to enter SecurityEasy Lock status.





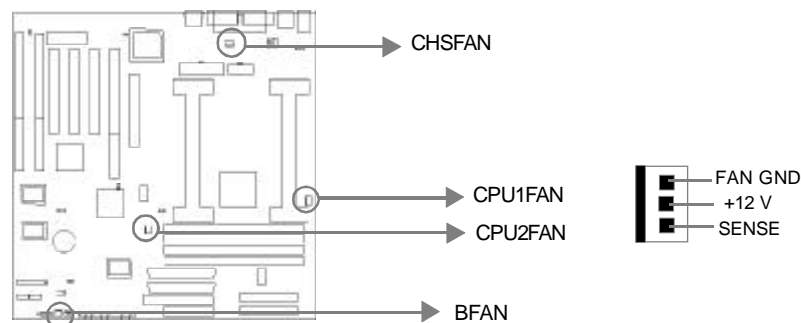
Infrared Header (IRDA)

This connector supports wireless transmitting and receiving. You must set “Serial Port 2 Mode” to **IrDA** or **ASKIR** and configure the settings in the “INTEGRATED PERIPHERALS” section of the BIOS.



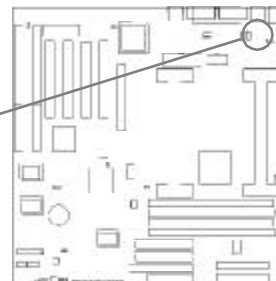
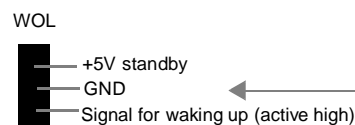
Fan Connector (CPU1~2FAN, CHSFAN, BFAN)

The fan speed of these four fans can be detected and viewed in “System Monitor” section of the BIOS.



Wake-Up On LAN (WOL)

This connector is reserved for the usage of the customer's own LAN card. Through Wake-up On LAN function, a wake event occurring from 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 are used. Then connect this header to the relevant connector on the LAN adapter, set “Resume by Ring or LAN” as Enabled from 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 power-off status can be powered up by a ring signal received from the internal modem. If this function is to be used, please be sure an internal modem card which supports this function is used. Then connect this header to the relevant connector on the modem card, set "Resume by Ring or LAN" to Enabled from the "POWER MANAGEMENT SETUP" section of the BIOS. Save & exit, then boot the operating system once to make sure this function takes effect.

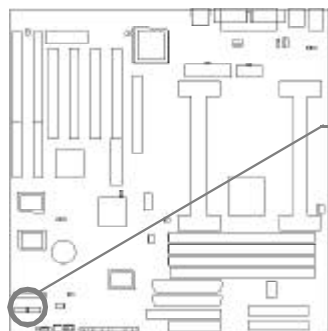


WOM

+5V standby
Signal for waking up (active low)
GND

I²C Bus Connector (J23, J25)

The I²C-bus connectors are provided to connect the system devices by using I²C bus.



GND 3VSB SDA
NC 5VSB
1
SCL 5V 3V NC GND

J23, J25

Memory Configuration

This mainboard provides four 168 pin 3.3V un-buffered DIMM sockets to support a flexible memory size ranging from 8MB to 2GB. Both 100MHz SDRAM and registered DIMMs are supported. The following set of rules allow optimum configurations.

Rules for populating a 440GX memory array:

- SDRAM and registered DIMMs can not be used on the same system, it is advised you use only one kind of DIMM.
- Possible SDRAM DIMM memory sizes are 8MB, 16MB, 32MB, 64MB, 128MB or 256MB in each DIMM socket.



Chapter 3

SecurityEasy

There are two ways to prevent unauthorized entry or use of the system:
System Password and SecurityEasy.

System Password

Set system password in the PASSWORD SETTING section of the BIOS, and set the “ Password Setting” to **System** in the “BIOS FEATURES SETUP” section. You will be prompted for the password every time the system boots or any time you try to enter BIOS Setup. If the “Password Setting” is set as **Setup**, you will be prompted for the password only when entering BIOS Setup.

SecurityEasy

The GeniuX 1 mainboard provides additional SecurityEasy function to protect the system from unauthorized entry or use. There are three ways to enter the SecurityEasy lock status.

- Push once the button connected to the two-pin header SLEEP after enabling the SecurityEasy Lock function in BIOS Setup. (If the lock function is disabled, this button is used as SLEEP button.)
- “Keyboard inactive Timer” is counted to the preset value-from 4 minute to 1 hour set in the BIOS Setup.
- Push once the hot key (Ctrl + F12) after enabling the Hotkey function in BIOS setup.

In SecurityEasy lock status, the power switch and reset buttons are unresponsive, PS/2 mouse is locked and the keyboard is locked except for the SecurityEasy password entering. The video won't be blank in the lock status. The only way to exit the lock status is to enter SecurityEasy password using the keyboard. This means if you set the lock function as enabled, you must also set the SecurityEasy password.

Please read the notes below thoroughly.

Note 1: The green function(Doze/Standby/Suspend mode) and SecurityEasy lock function can not be enabled at the same time.

Note 2: If lock function is enabled, the SecurityEasy password should be set, no more than six characters.

Note 3: When setting the SecurityEasy password or entering the password to exit the lock status, use the character keys and the <Enter> key located on the alphabetic pad.

Note 4: The serial mouse and the USB keyboard/mouse can't be locked in SecurityEasy lock mode.

Note 5: See also chapter 4 BIOS Description for detailed BIOS information.



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