



**Rev. A+**

**System Board User's Manual  
Carte Mère Manuel Pour Utilisateur  
System-Platine Benutzerhandbuch  
Manual del Usuario de Placas Base  
Đóêîâîăñòâî Ĩ îëüçîâàòăëÿ**

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## Caution

To avoid damage to the system:

- Use the correct AC input voltage range.

To reduce the risk of electric shock:

- Unplug the power cord before removing the system chassis cover for installation or servicing. After installation or servicing, cover the system chassis before plugging the power cord.

**Battery:**

- Danger of explosion if battery incorrectly replaced.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the battery manufacturer's instructions.

**Joystick or MIDI port:**

- Do not use any joystick or MIDI device that requires more than 10A current at 5V DC. There is a risk of fire for devices that exceed this limit.

## **FCC and DOC Statement on Class B**

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

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

**Notice:**

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables must be used in order to comply with the emission limits.

# Important Configuration and Driver Installation Rules

## HighPoint RAID IDE Controller

By default, the HighPoint RAID IDE controller is enabled. If you are not using this function, make sure to set the “RAID Device Control” field in the Genie BIOS Setting submenu of the Award BIOS to Disabled.

Make sure to follow the rule mentioned above. Doing it otherwise will slow down the boot up time and affect the performance of the system.

## Driver Installation Rules

Please follow the installation sequence below.

1. Install the “Audio Drivers”.
2. Install the “Intel Chipset Software Installation Utility”.
3. Install the other drivers and utilities.

Make sure to follow this sequence. Doing it otherwise will slow down the boot up time and affect the performance of the system.

The user's manual in the provided CD contains detailed information about the system board. If, in some cases, some information doesn't match those shown in this manual, this manual should always be regarded as the most updated version.

Le manuel d'utilisateur dans le CD muni contient renseignement détaillé au sujet de carte de système. Si, en quelque cas, quelque renseignement n'appareille de ce que dit dans ce manuel, ce manuel doit toujours être considéré comme la plus nouvelle version.

Das Benutzerhandbuch in der angebotenen CD enthält detaillierte Informationen über die Hauptplatine. Wenn in manchen Fällen manche Informationen nicht denjenigen Informationen dargestellt in diesem Handbuch entsprechen, soll dieses Handbuch als die meist aktualisierte Ausgabe gelten.

El uso explicativo contiene información detalle sobre la sistema board en el CD preparativo. Si en algún caso, la información no es igual con el uso explicativo, necesita ver el uso explicativo, esque es más nuevo.

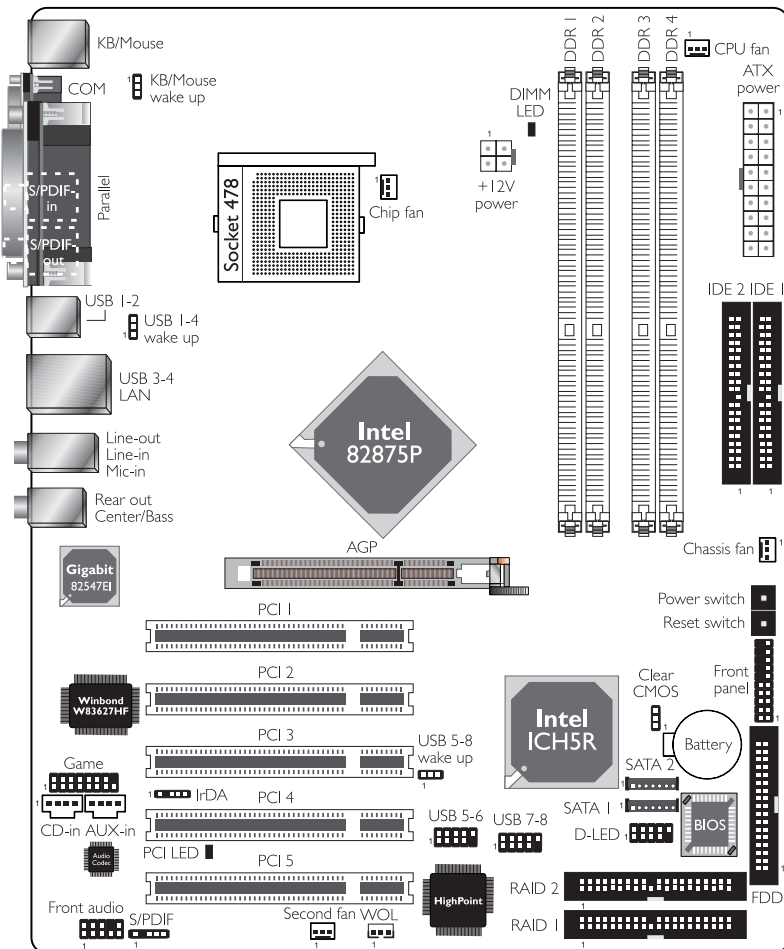
À òòèîâîñòàâ ÿîëüçîâàòàëÿ îà ÿðââîñòààëÿâîîî CD àèñèâ ñîââðæèòñÿ ÿîâðîâîÿÿ èîðîðîâèè ÿ îàòàðèñèéè èàòà. Èîîâââ îàîâ-àòàîîîâ òòèîâîñòàâ ÿîâòò îà ñîâîââàòü òòèîâîñòàâîî îà CD, òàè èàè ÿîèèââîââ îàèâîèââ +àñòî îàîîâèÿòòñÿ è ÿàèÿòòñÿ ñàîüî ñàâæèî.

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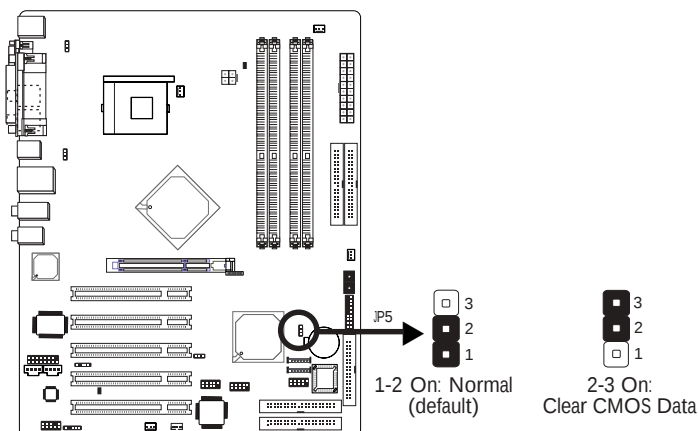
# Chapter 1 - Quick Setup Guide

## 1.1 System Board Layout

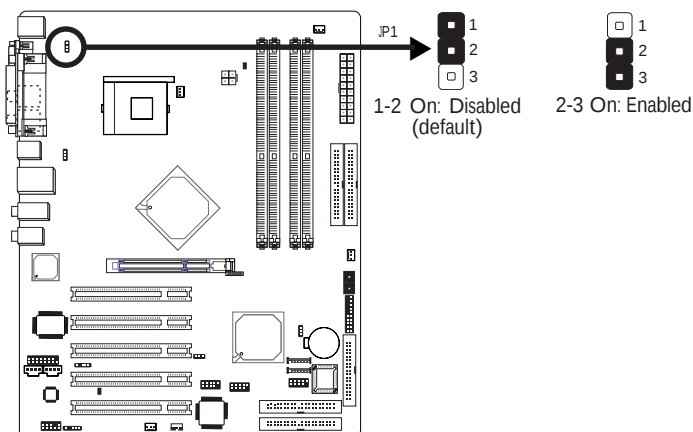


## 1.2 Jumpers

### 1.2.1 Clear CMOS Data - JP5

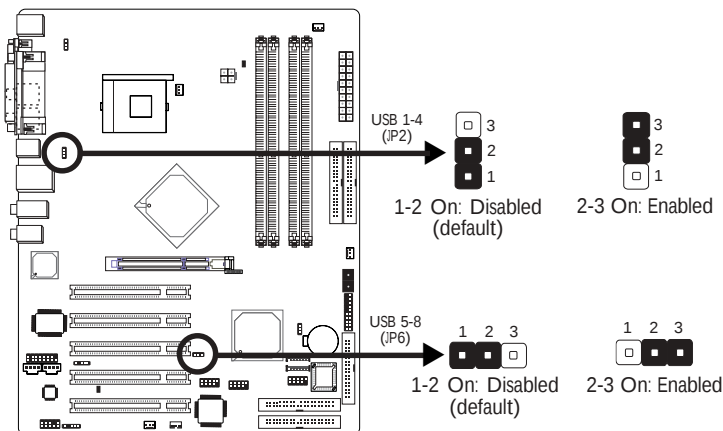


### 1.2.2 Wake-On-Keyboard/Wake-On-Mouse - JP1



The 5VSB power source of your power supply must support  $\geq 720\text{mA}$ .

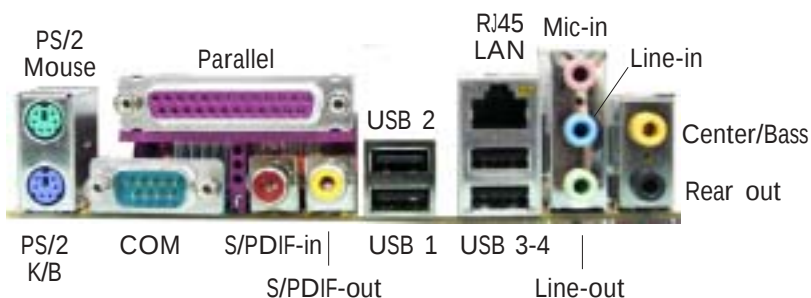
### 1.2.3 Wake-On-USB Keyboard - JP2 and JP6



If you are using the Wake-On-USB Keyboard function for 2 USB ports, the 5VSB power source of your power supply must support  $\geq 1.5A$ .

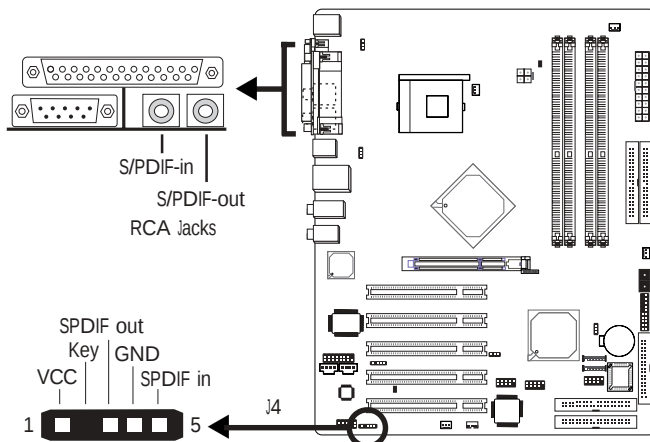
If you are using the Wake-On-USB Keyboard function for 3 or more USB ports, the 5VSB power source of your power supply must support  $\geq 2A$ .

## 1.3 Rear Panel I/O Ports



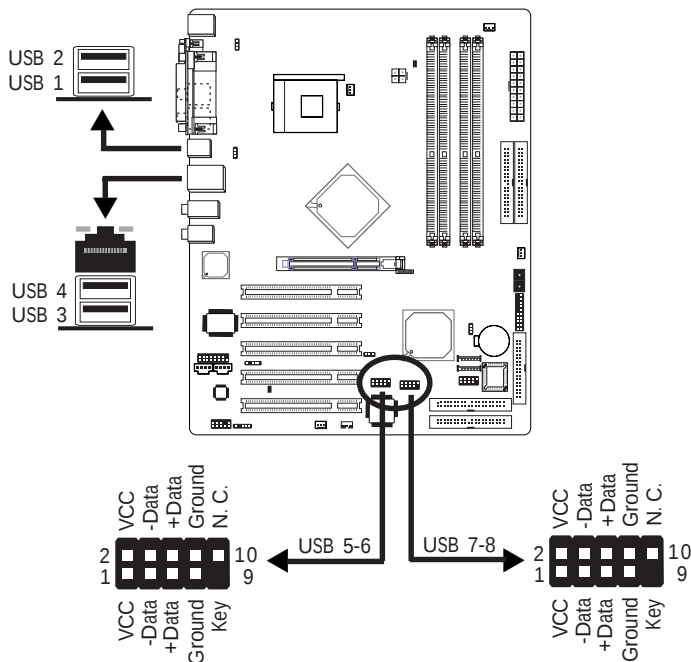
## 1.4 I/O Connectors

### 1.4.1 S/PDIF-in/out Jacks

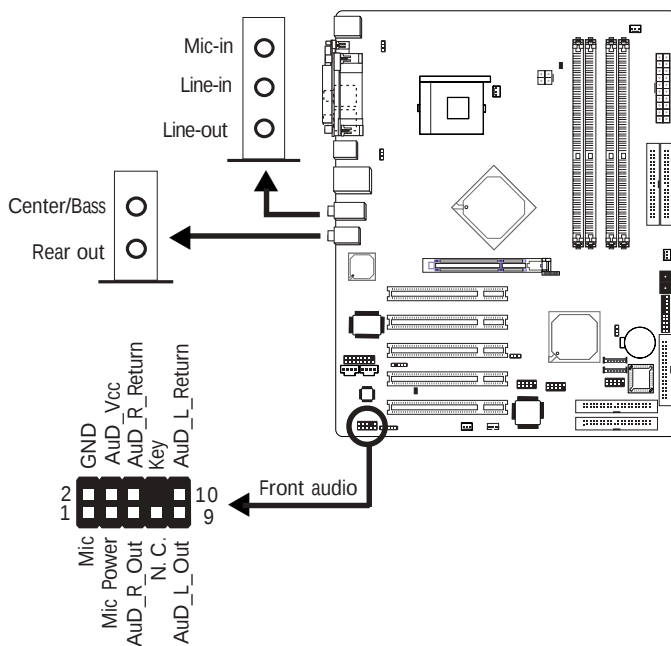


For optical S/PDIF cable connection.

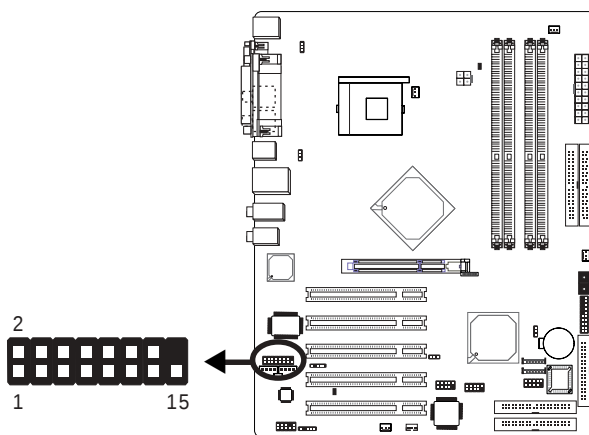
### 1.4.2 Universal Serial Bus Ports



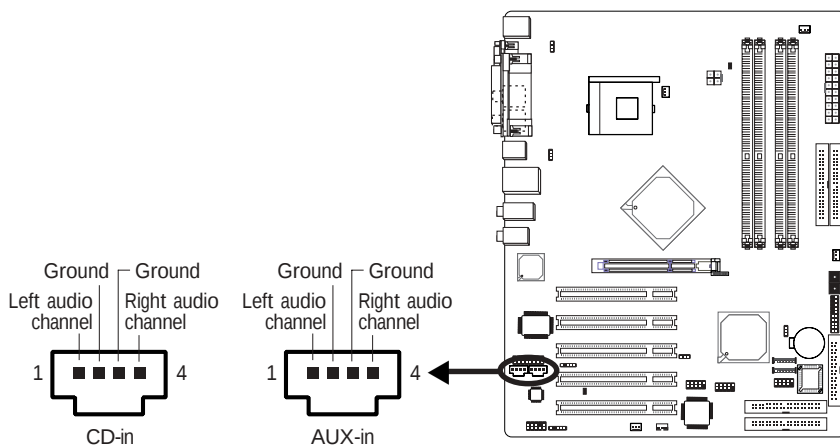
## 1.4.3 Audio



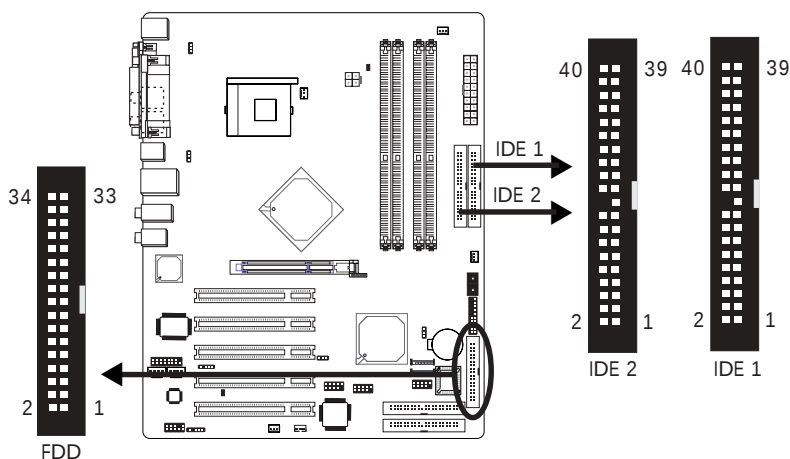
## 1.4.4 Game/MIDI Port



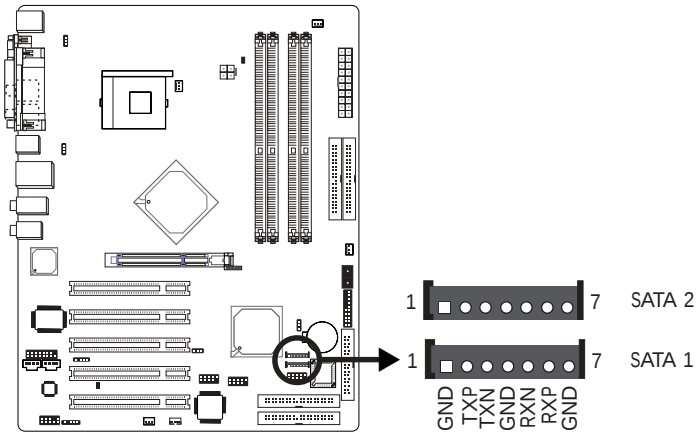
## 1.4.5 Internal Audio Connectors



## 1.4.6 FDD and IDE Disk Drive Connectors

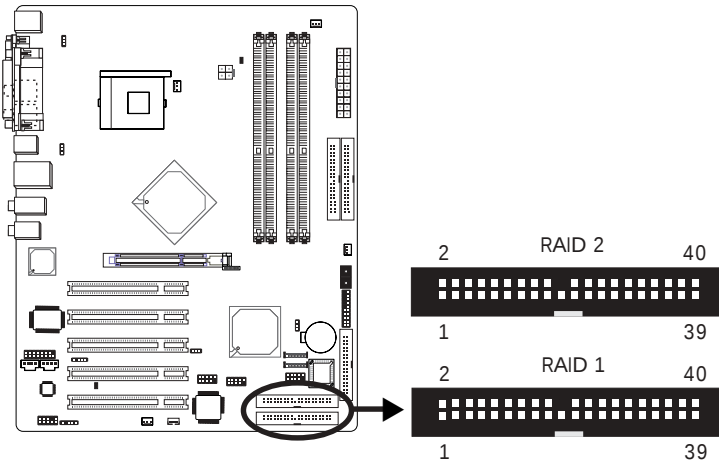


### 1.4.7 Serial ATA Connectors



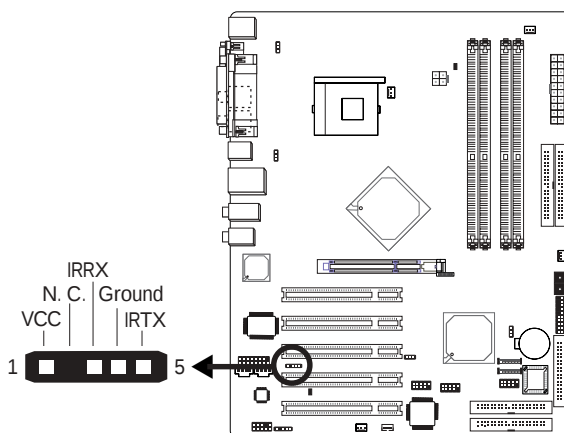
The ICH5R south bridge chip allows configuring RAID on serial ATA drives. It supports RAID 0 and 1.

### 1.4.8 RAID IDE Disk Drive Connectors

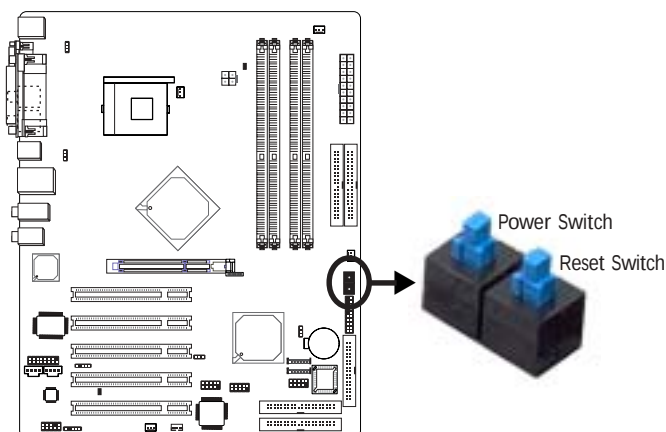


The HighPoint RAID controller allows configuring RAID on hard drives connected to these RAID IDE connectors. It supports RAID 0, 1, 0+1 and 1.5.

### 1.4.9 IrDA Connector

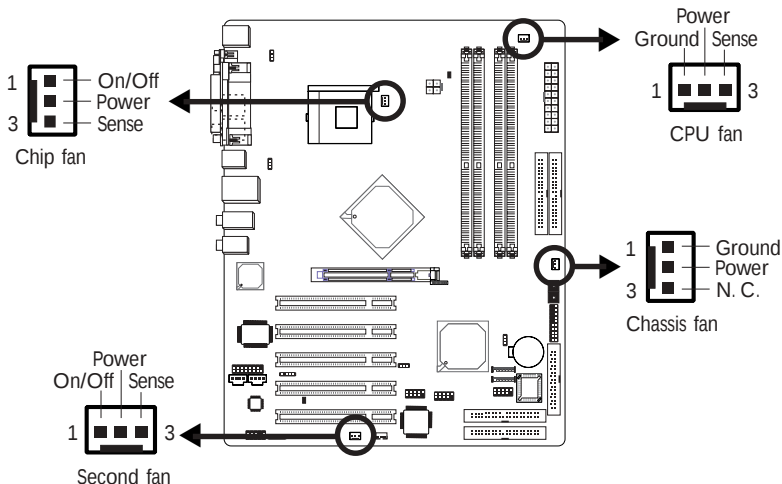


### 1.4.10 EZ Touch Switches (Power Switch and Reset Switch)

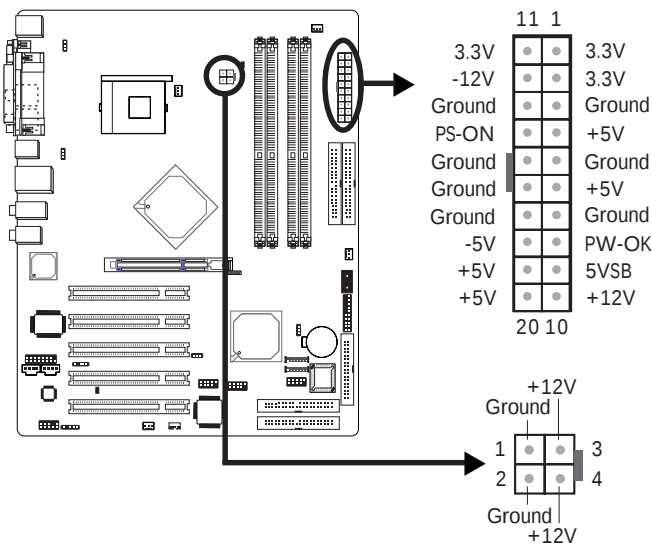


The presence of the power switch and reset switch on the system board are user-friendly especially to DIY users. They provide convenience in powering on and/or resetting the system while fine tuning the system board before it is installed into the system chassis.

## 1.4.11 Cooling Fan Connectors

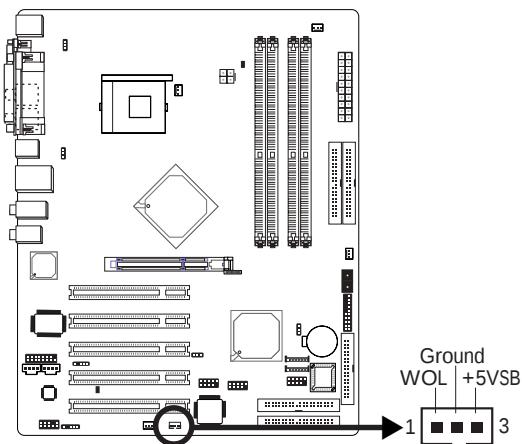


## 1.4.12 Power Connectors



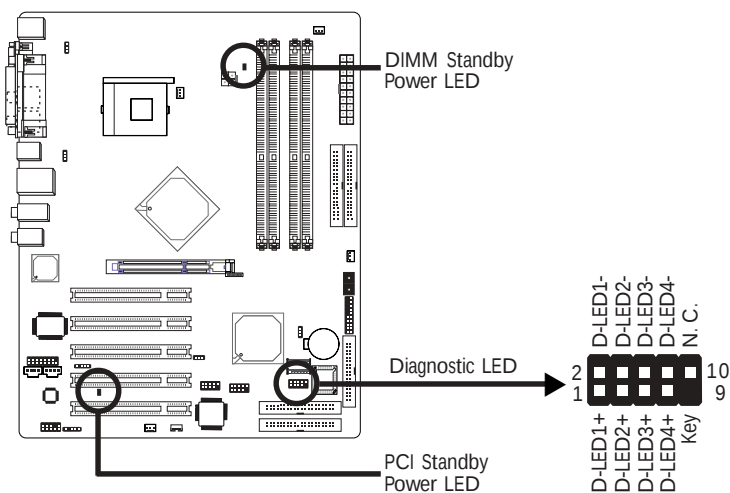
The system board requires a minimum of 250 Watt power supply to operate. Your system configuration (amount of memory, add-in cards, peripherals, etc.) may exceed the minimum power requirement. To ensure that adequate power is provided, use a 300 Watt (or greater) power supply.

### 1.4.13 Wake-On-LAN Connector



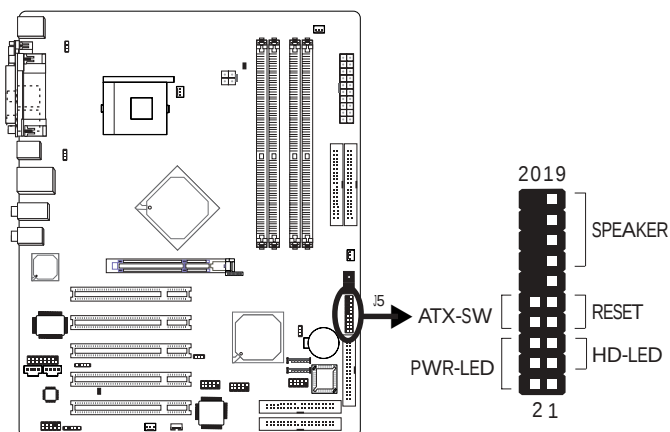
The 5VSB power source of your power supply must support  $\geq 720\text{mA}$ .

### 1.4.14 LEDs



|                                                                | LED 1 | LED 2 | LED 3 | LED 4 |
|----------------------------------------------------------------|-------|-------|-------|-------|
| Early program chipset register before POST.                    | On    | Off   | Off   | Off   |
| Testing memory presence.                                       | Off   | On    | Off   | Off   |
| Detecting memory size.                                         | On    | On    | Off   | Off   |
| No memory present.                                             | Off   | Off   | On    | Off   |
| Programming DRAM timing register.                              | On    | Off   | On    | Off   |
| Calculating DRAM size variable including row, column and bank. | Off   | On    | On    | Off   |
| Initializing JEDEC of current DRAM row.                        | On    | On    | On    | Off   |
| Checking CMOS checksum and battery.                            | Off   | Off   | Off   | On    |
| Initializing the clock generator.                              | On    | Off   | Off   | On    |
| Initializing USB.                                              | Off   | On    | Off   | On    |
| Testing all memory (cleared all extended memory to 0).         | On    | On    | Off   | On    |
| Initializing the onboard Super IO.                             | Off   | Off   | On    | On    |
| Detecting and installing an IDE device.                        | On    | Off   | On    | On    |
| Final initialization.                                          | Off   | On    | On    | On    |
| Booting the system.                                            | On    | On    | On    | On    |

## 1.4.15 Front Panel Connectors



|                                       | Pin                  | Pin Assignment                                                    |
|---------------------------------------|----------------------|-------------------------------------------------------------------|
| HD-LED<br>(Primary/Secondary IDE LED) | 3<br>5               | HDD LED Power<br>HDD                                              |
| Reserved                              | 14<br>16             | N. C.<br>N. C.                                                    |
| ATX-SW<br>(ATX power switch)          | 8<br>10              | PWRBT+<br>PWRBT-                                                  |
| Reserved                              | 18<br>20             | N. C.<br>N. C.                                                    |
| RESET<br>(Reset switch)               | 7<br>9               | Ground<br>H/W Reset                                               |
| SPEAKER<br>(Speaker connector)        | 13<br>15<br>17<br>19 | Speaker Data<br>N. C.<br>Ground<br>Speaker Power                  |
| PWR-LED<br>(Power/Standby LED)        | 2<br>4<br>6          | LED Power (+)<br>LED Power (+)<br>LED Power (-) or Standby Signal |

## Chapter 2 - English

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### 2.1 Features and Specifications

#### Processor

- Intel® Pentium® 4 Processor with Hyper-Threading Technology
  - 800MHz/533MHz system data bus
- Intel® Pentium® 4 Northwood processor
  - 533MHz/400MHz system data bus
- Intel® Celeron® Northwood processor
  - 400MHz system data bus

#### Chipset

- Intel® 875P chipset
  - Intel® 82875P Memory Controller Hub (MCH)
  - Intel® 82801ER I/O Controller Hub (ICH5R)

#### System Memory

- Supports dual channel (128-bit wide) memory interface
  - Each channel supports 2 DIMM sockets
- Supports up to 4GB system memory
- Supports Dynamic mode to optimize system performance
- Synchronous operation with processor system bus
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) with 800MHz FSB CPU (supports PAT mode). DDR333 will run at 320MHz memory frequency when used with 800MHz FSB CPU.
  - Use PC2100/PC2700 (DDR266/DDR333) with 533MHz FSB CPU
  - Use PC2100 (DDR266) with 400MHz FSB CPU
- Supports ECC/non-ECC DIMMs
- Supports unbuffered DIMMs

#### BIOS

- Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play compatible
- Genie BIOS provides:
  - CPU/DRAM overclocking

- AGP/PCI/SATA overclocking
- CPU/DIMM/AGP overvoltage
- Flash EPROM for easy BIOS upgrades
- Supports DMI 2.0 function
- 4Mbit flash memory

#### Energy Efficient Design

- ACPI STR (Suspend to RAM) function
- Wake-On-PS/2 Keyboard/Mouse
- Wake-On-USB Keyboard
- Wake-On-Ring
- Wake-On-LAN
- RTC timer to power-on the system
- AC power failure recovery

#### System Health Monitor Functions

- Monitors CPU/system temperature and overheat alarm
- Monitors CPU/1.5V/5VSB/VBAT/3.3V/5V/±12V voltages and failure alarm
- Monitors the fan speed of the CPU fan, chip fan and second fan; and failure alarm
- Automatic chip fan and second fan on/off control
- Read back capability that displays temperature, voltage and fan speed
- CPU Fan Protection function monitors CPU fan during system boot-up
- CPU Temperature Protection function monitors CPU temperature during system boot-up

#### Onboard Audio Features

- 20-bit stereo full-duplex codec with independent variable sampling rate
- High quality differential CD input
- True stereo line level outputs
- S/PDIF-in/out interface
- 6-channel audio output

### Onboard CSA Gigabit LAN Features

- Uses 82547EI Gigabit LAN CSA (Communication Streaming Architecture) interface
- Integrated power management functions
- Full duplex support at 10, 100 and 1000 Mbps
- Supports IEEE 802.3u auto-negotiation
- Supports wire for management

### ATA RAID - Redundant Array of Independent Disk

- Uses HighPoint 372N RAID controller
- RAID 0, 1, 0+1 and 1.5
  - RAID 1.5 performs data stripping and mirroring simultaneously using two drives only
- Two independent IDE channels support up to 4 drives (ATA/33, ATA/66, ATA/100, ATA/133 or EIDE)
- Supports PIO modes 0/1/2/3/4, DMA modes 0/1/2 and UDMA modes 0/1/2/3/4/5/6

### PCI Bus Master IDE Controller

- Supports ATA/33, ATA/66 and ATA/100 hard drives
- PIO Mode 4 Enhanced IDE (data transfer rate up to 14MB/sec.)
- Bus mastering reduces CPU utilization during disk transfer
- Supports ATAPI CD-ROM, LS-120 and ZIP

### ICH5R SATA IDE/RAID Interface

- Two SATA (Serial ATA) interfaces which are compliant with SATA 1.0 specification (1.5Gbps interface)
- Supports RAID 0 and 1

### Processor Socket

- Socket 478

### AGP (Accelerated Graphics Port)

- Supports AGP 3.0 (AGP 4x and 8x) and AGP 2.0 (AGP 1x and 4x) spec.
- Supports 1.5V AGP 8x (2.13GB/sec.) and AGP 4x (1066MB/sec.) add-in cards. AGP 2x and 3.3V AGP cards are not supported.

### Rear Panel I/O Ports (PC 99 color-coded connectors)

- 4 USB 2.0/1.1 ports
- 1 RJ45 LAN port
- 1 DB-9 serial port
- 1 DB-25 parallel port
- 1 mini-DIN-6 PS/2 mouse port
- 1 mini-DIN-6 PS/2 keyboard port
- 2 S/PDIF RCA jacks (S/PDIF-in and S/PDIF-out)
- 3 audio jacks: line-out, line-in and mic-in
- 2 audio jacks for center/bass and rear out

### I/O Connectors

- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 1 front audio connector for external line-out and mic-in jacks
- 1 connector for an external game/MIDI port
- 2 internal audio connectors (CD-in and AUX-in)
- 1 S/PDIF connector for optical cable connection
- 1 connector for IrDA interface
- 2 RAID IDE connectors
- 2 Serial ATA connectors
- 2 IDE connectors
- 1 floppy connector
- 2 ATX power supply connectors
- 1 Wake-On-LAN connector
- CPU fan, chassis fan, second fan and chip fan connectors
- 1 diagnostic LED connector for 4 external diagnostic LEDs display
- EZ touch switches (power switch and reset switch)

### Expansion Slots

- 1 AGP slot
- 5 PCI slots

### Compatibility

- PCI 2.2 and AC '97 compliant
- Intel AGP version 3.0

## 2.2 CMOS Reloaded

The CMOS Reloaded feature allows you to save different BIOS configurations and when needed, allows you to conveniently restore one of these previously saved configurations. Select CMOS Reloaded in the main menu of the Award BIOS then press <Enter>.

You can save up to two configurations - in the “User Define Config 1” and “User Define Config 2” fields.



### Saving a Configuration

After you have made the proper settings, move the cursor to “Backup” of “User Define Config 1” then press <Enter>.

### Restoring a Configuration

To restore one of the previously saved configurations, move the cursor to “Load” of “User Define Config 1” then press <Enter>.

### Renaming a Configuration

The default name given in the “User Define Config 1” field is “Config 1” and “Config 2” in the “User Define Config 2” field. To rename, move the cursor to “Rename” then press <Enter>. You can enter up to 16 characters.

To save another configuration, repeat the procedures above but this time, in the “User Define Config 2” field.

## 2.3 Package Checklist

The system board package contains the following items:

- ☑ One LANPARTY PRO875B system board
- ☑ One LANPARTY PRO875B user's manual
- ☑ One LANPARTY Features user's manual
- ☑ Two IDE round cables
- ☑ One floppy round cable
- ☑ Two serial ATA data cables
- ☑ One serial ATA power cable
- ☑ One card-edge bracket mounted with a game/MIDI port
- ☑ One PC Transpo kit
- ☑ One FrontX device equipped with:
  - Two USB 2.0/1.1 ports
  - One line-out jack
  - One mic-in jack
  - Four diagnostic LEDs
- ☑ One I/O shield
- ☑ One thermal paste
- ☑ One LANPARTY sticker
- ☑ One case badge
- ☑ One pack of jumper caps (five 2.54mm jumper caps)
- ☑ One "HighPoint 372 N RAID Drivers" diskette
- ☑ One "Intel ICH5R RAID Driver" diskette
- ☑ One "Mainboard Utility" CD
- ☑ One "WinDVD/WinRIP Utility" CD

If any of these items are missing or damaged, please contact your dealer or sales representative for assistance.

Please refer to the LANPARTY Features manual for more information on the FrontX device.

## Chapter 3 - Français

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### 3.1 Caractéristiques et Spécifications

#### Processeur

- Les processeurs Intel® Pentium® 4 avec la Technologie Hyper-Threading - 800MHz/533MHz vitesse du bus
- Processeur Intel® Pentium® 4 Northwood
  - 533MHz/400MHz vitesse du bus
- Processeur Intel® Celeron® Northwood
  - 400MHz vitesse du bus

#### Chipset

- Intel® 875P chipset
  - Intel® 82875P Contrôleur du Mémoire (MCH - Memory Controller Hub)
  - Intel® 82801ER I/O Contrôleur Entrée/Sortie (ICH5R - I/O Controller Hub)

#### Mémoire Système

- Support d'interface de la mémoire à deux canaux (128-bit)
  - Chaque canal supporte 2 sockets DIMM
- Support de 4GB de mémoire système
- Support Mode Dynamique
- Opération synchrone avec le bus système du processeur
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) avec un processeur à 800MHz de FSB (support mode PAT). La DDR333 peut marcher à 320MHz de fréquence de mémoire si utilisée avec un processeur à 800MHz de FSB.
  - Utilisez la PC2100/PC2700 (DDR266/DDR333) avec un processeur à 533MHz de FSB
  - Utilisez la PC2100 (DDR266) avec un processeur à 400MHz de FSB
- Support des barrettes DIMM ECC/non-ECC
- Support des barrettes DIMM sans tampon

## BIOS

- Compatible avec Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play
- Genie BIOS:
  - Overclocking de CPU/DRAM
  - Overclocking de AGP/PCI/SATA
  - Contrôle du voltage de CPU/DIMM/AGP
- EPROM Flash pour une mise à niveau facile du BIOS
- Supporte la fonction DMI 2.0
- Mémoire Flash 4Mbit

## Design à Haut Rendement Énergétique

- ACPI STR (Suspend to RAM) fonction
- Réveil-Sur-PS/2 Clavier/Souris
- Eveil Clavier USB
- Eveil Sonnerie
- Réveil Par Le Réseau
- Minuterie RTC pour allumer le système
- Récupération après Défaillance d'Alimentation CA

## System Health Monitor Fonctions

- Gère l'alarme de température et de surchauffe de CPU/ système
- Gère l'alarme de voltage et d'échec de CPU/1.5V/5VSB/VBAT/ 3.3V/5V/±12V
- Gère la vitesse de ventilateur du ventilateur de CPU, chip et second; et alarme de défaillance.
- Contrôle automatique de ventilateur de chip/second et marche/arrêt de ventilateur
- Capacité de relecture qui affiche la température, le voltage et la vitesse de ventilateur
- La Fonction de la Defense du Ventilateur de Processeur observe le travail du ventilateur pendant le chargement du système
- La Fonction de Defense du Processeur de la Surchauffe observe la temperature du processeur pendant le chargement du système

### Caractéristiques Audio sur Carte

- Codec full-duplex 20 bits stéréo avec fréquence d'échantillonnage variable indépendante
- Entrée CD différentielle de haute qualité
- Sorties de niveau de lignes stéréo vraies
- Interface entrée/sortie S/PDIF
- Sortie audio 6-canaux

### Fonctionnalités Onboard CSA Gigabit LAN

- Utilise le contrôleur 82547EI Gigabit LAN CSA (Communication Streaming Architecture)
- Fonctions de gestion d'alimentation intégrées
- Support Full duplex à 10, 100 et 1000 Mbps
- Supporte l'auto négociation IEEE 802.3u
- Support câble pour la gestion

### ATA RAID – Réseau Rendant des Disques peu Chers

- Utilise le contrôleur HighPoint 372N RAID
- RAID 0, 1, 0+1 et 1.5
  - RAID 1.5 effectue simultanément le striping et le mirroring des données en utilisant deux disques seulement
- Deux canaux IDE indépendents supportent jusqu'à 4 disques (ATA/33, ATA/66, ATA/100, ATA/133 ou EIDE)
- Supporte les modes PIO 0/1/2/3/4, DMA 0/1/2 et UDMA 0/1/2/3/4/5/6

### Contrôleur IDE de BUS Maître PCI

- Supporte des disques durs ATA/33, ATA/66 et ATA/100
- IDE Améliorés Mode 4 PIO (vitesse de transfert de données allant jusqu'à 14Mo/sec.)
- La gestion de Bus réduit l'utilisation du CPU pendant les transferts sur disque
- Supporte les CD-ROM ATAPI, LS-120 et ZIP

### Interface ICH5R SATA IDE/RAID

- Deux interfaces SATA (Serial ATA) compatibles avec la spécification SATA 1.0 (interface 1.5Gbps)
- Support RAID 0 et 1

## Socket Processeur

- Socket 478

## AGP (Accelerated Graphics Port)

- Soutien des spécifications AGP 3.0 (AGP 4x et 8x) et AGP 2.0 (AGP 1x et 4x)
- Soutien des cartes supplémentaires 1.5V AGP 8x (2.13GB par seconde) et AGP 4x (1066MB par seconde). Les cartes AGP 2x et 3.3V AGP ne sont pas soutenues.

## Le Panneau des Ports Entrée/Sortie en Arrière

- 4 ports USB 2.0/1.1
- 1 port RJ45 LAN
- 1 port de DB-9 série
- 1 port parallèle DB-25
- 1 port souris PS/2 mini-DIN-6
- 1 port clavier PS/2 mini-DIN-6
- 2 S/PDIF RCA prises (S/PDIF-in et S/PDIF-out)
- 3 prises audio: line-out, line-in et mic-in
- 2 prises audio: center/bass et rear out

## Connecteurs Entrée/Sortie

- 2 connecteurs pour 4 ports USB 2.0/1.1 supplémentaires
- 1 connecteur audio de l'avant pour la sortie ligne et l'entrée micro
- 1 connecteur pour 1 game/MIDI externe
- 2 connecteurs CD-in et AUX-in audio internes
- 1 S/PDIF l'assemblage pour l'adjonction de câble optique
- 1 connecteur pour interface IrDA
- 2 connecteurs RAID IDE
- 2 connecteurs Serial ATA
- 2 connecteurs IDE
- 1 connecteur de lecteur de disquettes
- 2 connecteurs d'alimentation ATX
- 1 connecteur Wake-On-LAN
- Connecteurs de ventilateurs de CPU, de châssis, de second et de chip
- Un assemblage pour 4 extérieurs indicateurs diagnostiques
- EZ interrupteurs (bouton de power et reset)

### Logements d'Extension

- 1 slot AGP
- 5 slots PCI

### Compatibilité

- Compatible PCI 2.2 et AC'97
- Intel AGP version 3.0

## 3.2 CMOS Reloaded

Le sous-menu CMOS Reloaded vous permet, si vous en avez besoin, garder des différentes configurations pour pouvoir installer plus loin l'une des déjà gardées. Choisissez CMOS Reloaded dans le menu principal de Award BIOS et pressez <Enter>.

Vous pouvez garder pas plus de deux configurations – dans “User Define Config 1” et “User Define Config 2”.



### La Conservation de la Configuration

Après finir tout installation nécessaire, passez sur “Backup” dans “User Define Config 1” et pressez <Enter>.

### La Restitution de la Configuration

Pour restituer les configurations gardées passez sur “Load” dans “User Define Config 1” et pressez <Enter>.

## Le Changement de Nom de la Configuration

Le système donne le nom "Config 1" à ce qu'on a gardé dans "User Define Config 1" et le nom "Config 2" à ce qu'on a gardé dans "User Define Config 2". Pour changer le nom de ce que vous gardez passez sur "Rename" et pressez <Enter>. Vous pouvez introduire jusqu'aux 16 symboles.

Pour garder la seconde configuration il faut répéter les procédures si-dessus mais cette fois dans "User Define Config 2".

## 3.3 Liste de Vérification de l'Emballage

L'emballage de la carte système contient les éléments suivants:

- ☒ 1 carte système de LANPARTY PRO875B
- ☒ 2 manuel utilisateur
- ☒ 2 câbles IDE ronds
- ☒ 1 câble rond floppy
- ☒ 2 câble série ATA
- ☒ 1 câble d'alimentation série ATA
- ☒ 1 bracket avec un port game/MIDI
- ☒ 1 sac PC Transpo
- ☒ 1 kit FrontX
  - 2 ports USB 2.0/1.1
  - 1 jack de sortie ligne
  - 1 jack d'entrée micro
  - 4 indicateurs diagnostiques
- ☒ 1 shield I/O
- ☒ 1 pâte silicone (composé à base du silicone)
- ☒ 1 étiquette LANPARTY
- ☒ 1 case badge
- ☒ 1 package de cavaliers (5 cavaliers 2.54mm)
- ☒ 1 disquette "HighPoint 372 N RAID Drivers"
- ☒ 1 disquette "Intel ICH5R RAID Driver for WinXP"
- ☒ 1 CD "Mainboard Utility"
- ☒ 1 CD "WinDVD/WinRIP Utility"

Si l'un de ces éléments n'était pas dans l'emballage ou s'il était endommagé, veuillez contacter votre revendeur ou votre représentant. Veuillez vous reporter au manuel LANPARTY pour plus d'information sur le périphérique FrontX.

## Chapter 4 - Deutsch

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### 4.1 Leistungsmerkmale und Technische Daten

#### Prozessor

- Intel® Pentium® 4 Prozessor mit Hyper-Threading Technologie
  - 800MHz/533MHz Systemdatenbus
- Intel® Pentium® 4 Northwood Prozessor
  - 533MHz/400MHz Systemdatenbus
- Intel® Celeron® Northwood Prozessor
  - 400MHz Systemdatenbus

#### Chipset

- Intel® 875P chipset
  - Intel® 82875P Speichersteuerungs-Plattenmitte (MCH - Memory Controller Hub)
  - Intel® 82801ER I/O Steuerungsplattenmitte (ICH5R - I/O Controller Hub)

#### Systemspeicher

- Unterstützt 2-Kanal (128-bit breit) Speicherschnittstellen
  - Jeder Kanal unterstützt 2 DIMM Steckplätze
- Unterstützt bis zu 4GB Systemspeicher
- Unterstützt Dynamische-Modus
- Synchroner Betrieb mit dem Prozessor Systembus
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) mit 800MHz FSB CPU (Unterstützt PAT-Modus). Im Betrieb mit einer 800 MHz FSB CPU arbeitet DDR333-Speicher mit einer Speichertaktfrequenz von 320 MHz.
  - Verwenden Sie PC2100/PC2700 (DDR266/DDR333) Speicher mit 533MHz FSB CPU's.
  - Verwenden Sie PC2100 (DDR266) Speicher mit 400MHz FSB CPU's.
- Unterstützt ECC/non-ECC DIMM
- Unterstützt ungepufferte DIMMs

## BIOS

- Kompatibilität mit Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play
- Genie BIOS:
  - CPU/DRAM Übertaktung
  - AGP/PCI/SATA Übertaktung
  - CPU/DIMM/AGP Überspannung
- Flash EPROM für ein einfaches Aktualisieren des BIOS
- Unterstützung der DMI-2.0-Funktion
- Flash-Speicher (4Mbit)

## Energomisches Design

- ACPI STR (Suspend to RAM) funktion
- Wecken bei Betätigung der PS/2 Tastatur/Maus
- Wecken bei USB-Tastatur
- Wecken bei Klingeln
- Wecken des Systems durch das Netzwerk
- RTC-Taktgeber zum Einschalten des Systems
- Wiederherstellung der Wechselstromversorgung nach einem Ausfall

## System Health Monitor Funktionen

- Überwachung der Temperatur des CPU/Systems sowie Warnsignal bei Überhitzung
- Überwachung der Spannungen des CPU/1.5V/5VSB/VBAT/3.3V/5V/±12V sowie Warnsignal bei Ausfall
- Überwachung der Geschwindigkeit des CPU-Ventilators, Chip-Ventilators und Second-Ventilators und sendet ein Warnsignal bei einem Ausfall aus
- Automatisches des Chip-Ventilators und Second-Ventilators Ein-/Ausschalten des Ventilators
- Anzeige der Temperatur, Spannung und Geschwindigkeit des Ventilators
- Die Schutzfunktion des Lüfter vom Prozessor überwacht die Arbeit des Lüfter während der Auslastung des Systems
- Die Schutzfunktion des Prozessors gegen die Überhitzung

### Audiomerkmale auf Platine

- 20-Bit-Stereo-Vollduplex-Codec mit unabhängiger und variabler Abtastfrequenz
- Hochwertige CD-Differential-Eingabe
- Naturgetreue Stereo-Leitungspegel-Ausgabe
- S/PDIF-In/Aus-Schnittstelle
- 6-Kanal-Audioausgang

### Merkmale des CSA Gigabit LAN auf Platine

- Benutzung des 82547EI Gigabit LAN CSA (Communication Streaming Architecture) Verbindung
- Integrierte Power-Management-Funktionen
- Vollduplex-Unterstützung bei 10, 100 und 1000 Mbps
- Unterstützung der IEEE-802.3u-Auto-Negotiation
- Unterstützung des Leiters für das Management

### ATA RAID - Redundant Array of Independent Disk

- Verwendet HighPoint 372N RAID Controller
- RAID 0, 1, 0+1 und 1.5
  - RAID 1.5 leistet simultan Datenablösung und Spiegelung bei Gebrauch von 2 Laufwerken.
- Zwei unabhängige IDE-Kanäle unterstützen bis zu 4 Laufwerke (ATA/33, ATA/66, ATA/100, ATA/133 oder EIDE)
- Unterstützt PIO-Modi 0/1/2/3/4, DMA-Modi 0/1/2 und UDMA-Modi 0/1/2/3/4/5/6

### PCI-Bus-Master-IDE-Controller

- Unterstützung der Festplatten ATA/33, ATA/66 und ATA/100
- Erweitertes IDE des PIO-Modus 4 (Datenübertragungsgeschwindigkeit von bis zu 14MB/Sek.)
- Verminderte CPU-Benutzung während Diskettenübertragung dank dem Bus-Master.
- Unterstützung des ATAPI CD-ROMs, LS-120 und ZIP.

### ICH5R SATA IDE/RAID Schnittstelle

- Zwei SATA (Serial ATA) Schnittstellen, die der SATA 1.0 Spezifikation (1.5Gbps interface) entsprechen
- Unterstützt RAID 0 und 1

## Prozessor Socket

- Buchse 478

## AGP (Accelerated Graphics Port)

- Unterstützt AGP 3.0 (AGP 4x und 8x) und AGP 2.0 (AGP 1x und 4x) Spezifikationen
- Unterstützt 1.5V AGP 8x (2.13GB/sek.) und AGP 4x (1066MB/sek.) Erweiterungskarten. AGP 2x und 3.3V AGP Karten werden nicht unterstützt.

## Ein-/Ausgabe-Porte an der Rückwand

- 4 USB 2.0/1.1-Anschlüsse
- 1 RJ45 LAN-Anschlüsse
- 1 serieller DB-9-Anschlüsse
- 1 DB-25-Parallelanschluß
- 1 Mini-DIN-6-Anschluß für eine PS/2-Maus
- 1 Mini-DIN-6-Anschluß für eine PS/2-Tastatur
- 2 S/PDIF RCA-Anschlüsse (S/PDIF-in und S/PDIF-out)
- 3 Audio-Anschlußbuchsen: line-out, line-in und mic-in
- 2 Audio-Anschlußbuchsen: center/bass und rear out

## Ein-/Ausgabe-Steckverbinder

- 2 Anschlußfassung für 4 zusätzliche externe USB 2.0/1.1-Anschlüsse
- 1 Frontaudioanschluß für die externe Ausgangsleitung und den Mikrofoneingang
- 1 Anschluß für eine externe game/MIDI Schnittstelle
- 2 interne Audioanschlüsse (CD-in und AUX-in)
- 1 S/PDIF Anschluß für die Verbindung des optischen Kabel
- 1 Anschluß für die IrDA-Schnittstelle
- 2 RAID-IDE-Anschlüsse
- 2 Serial-ATA-Anschlüsse
- 2 IDE-Anschlüsse
- 1 Floppy-Anschlüsse
- 2 Anschlußstecker für das ATX-Netzgerät
- 1 Anschlußstecker für Wecken durch LAN
- CPU-, Chassis-, Second- und Chip-ventilator-Anschlüsse
- Ein Anschluß für 4 diagnostischen Außenindikatoren
- EZ Umschalten (der Knopf der Speisung und des Auslasses)

### Erweiterungssteckfassungen

- 1 AGP-Einbauplätzen
- 5 PCI-Einbauplätzen

### Kompatibilität

- Kompatibilität mit PCI 2.2 und AC'97
- Intel AGP, version 3.0

## 4.2 CMOS Reloaded

Das Teilmenü CMOS Reloaded läßt Sie im Notfall die verschiedenen Konfigurationen aufbewahren, um eine aus die früher aufgesparten Konfigurationen im weiteren wiederaufzubauen. Wählen Sie "CMOS Reloaded" im Award BIOS Hauptmenü, und drücken Sie <Enter>.

Sie können bis zwei Konfigurationen im Feld "User Define Config 1" und "User Define Config 2" behalten.



### Die Erhaltung der Konfiguration

Nachdem Sie alle notwendigen Installationen beendet haben, verlagern Sie den Cursor auf "Backup" in "User Define Config 1" und drücken Sie <Enter>.

### Die Wiederaufbau der Konfiguration

Um die früher aufgesparten Konfigurationen wiederaufzubauen, verlagern Sie den Cursor auf "Load" in "User Define Config 1" und drücken Sie <Enter>.

## Die Umbenennung der Konfiguration

Im Verschweigen wird die Erhaltung im Feld "User Define Config 1" als "Config 1" und im Feld "User Define Config 2" als "Config 2" genannt. Um die Erhaltung umzubenennen, verlagern Sie den Cursor auf "Rename" und drücken Sie <Enter>. Sie können bis 16 Symbols einsetzen.

Für die Erhaltung der zweiten Konfiguration muß man die beschriebenen Prozeduren wiederholen, aber, diesmal, im Feld "User Define Config 2".

## 4.3 Verpackungsliste

In der Verpackung der Systemplatine sind folgende Artikel enthalten:

- ☑ 1 Systemplatine
- ☑ 2 Benutzerhandbuch
- ☑ 2 runde IDE-Kabel
- ☑ 1 runde Floppy-Kabel
- ☑ 2 serial-ATA-Kabel
- ☑ 1 serial-ATA-Energiekabel-Kabel
- ☑ 1 Bracket mit einem Game/MIDI Port
- ☑ Ein PC Transpo-Satz
- ☑ Eine FrontX-Einrichtung
  - Zwei USB 2.0/1.1 Porte, Ein Stecker vom Linienausgang, Ein Stecker vom Mikrofon und 4 diagnostischen Außenindikatoren
- ☑ Eine I/O-Schutzlatte
- ☑ Eine Silikonpaste (das Silikon als die Basis)
- ☑ Ein LANPARTY-Klebezettel
- ☑ Ein Abzeichen für das Gehäuse
- ☑ Ein Satz des Jumperses (fünf 2.54mm Jumpers)
- ☑ 1 Diskette "HighPoint 372 N RAID Drivers"
- ☑ 1 Diskette "Intel ICH5R RAID Driver for WinXP"
- ☑ 1 CD mit "Mainboard Utility"
- ☑ Eine CD "WinDVD/WinRIP Utility"

Fehlt einer dieser Artikel oder weist einer dieser Artikel Beschädigungen auf, wenden Sie sich an Ihren Händler oder Vertreter. Nach genauerer Information über die Einrichtung von FrontX schauen Sie die LANPARTY-Anleitung.

## Chapter 5 - Español

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### 5.1 Características y Especificaciones

#### Procesador

- Procesador Pentium® 4 de Intel® con la Tecnología Hiper-Enhebramiento
  - 800MHz/533MHz canal de datos del sistema
- Procesador Intel® Pentium® 4 Northwood
  - 533MHz/400MHz canal de datos del sistema
- Procesador Intel® Celeron® Northwood
  - 400MHz canal de datos del sistema

#### Chipset

- Intel® 875P chipset
  - Hub de Controlador Memoria de Intel® 82875P (MCH - Memory Controller Hub)
  - Hub de Controlador I/O de Intel® 82801ER (ICH5R - I/O Controller Hub)

#### Memoria de Sistema

- Se soporta el interfaz de dos canales (128-bites)
  - Cada canal se soporta por 2 eslots DIMM
- Se soporta 4GB de la memoria
- Se soporta el modo dinamico (Dynamic mode)
- La operacion sincronica ñon el bus del sistema del procesador
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) ñon el procesador en el bus de 800MHz (se soporta tecnologia de PAT). DDR333 va a funcionar en la frecuencia de 320MHz usando el procesador con el bus 800MHz.
  - Use Ud. PC2100/PC2700 (DDR266/DDR333) ñon el procesador en el bus de 533MHz
  - Uså PC2100 (DDR266) con procesador en el bus de 400MHz
- Soporta la memoria ECC/non-ECC DIMM
- Soporta modulos inseparados DIMM

## BIOS

- Award BIOS, Windows® 98SE/2000/ME/XP Enchufar y Usar compatible
- Genie BIOS:
  - El impulso del procesador/DRAM
  - El impulso AGP/PCI/SATA
  - La instalacion de la tension del procesador/DIMM/AGP
- Parpadea EPROM para fácil actualización de BIOS
- Soporta la función de DMI 2.0
- Memoria Instante (4Mbitios)

## Diseño Energia Eficiente

- ACPI STR (Suspend to RAM) función
- PS/2 Teclado/Ratón de Wake-On
- Teclado de Wake-On-USB
- Wake-On-Ring
- Wake-On-LAN
- Temporizador de RTC para encender el sistema
- Recuperación de Fracaso de Energía AC

## Funciones de Monitor de Salud del Sistema

- Monitores de los CPU/sistema temperaturas y alarma acalorada.
- Monitores de voltajes de CPU/1.5V/5VSB/VBAT/3.3V/5V/±12V y alarma de fracaso.
- Vigila la velocidad del abanico del abanico del CPU, abanico del chip y abanico de second; y alarma de fracaso.
- Control abanico del chip y abanico de second encendido/apagado del abanico automático.
- Capacidad de Leer hacia atrás que presenta la temperatura, voltaje y velocidad de abanico.
- La Función de la Protección del Ventilador del Procesador controla el ventilador durante la carga del sistema
- La Función de la Protección del Procesador de Recalentamiento controla la temperatura del procesador durante la carga del sistema

### Características de Audio En Tablero

- Codec dúplex completo estéreo de 20-bit con independiente frecuencia de muestreo variable
- Alta calidad de entrada de CD diferencial
- Auténtico salidas de nivel de línea estéreo
- Interfáz de S/PDIF-in/out
- Output auricular de 6-canal

### Características de CSA Gigabit LAN Interno

- Utiliza el rápido controlador 82547EI Gigabit LAN CSA (Communication Streaming Architecture)
- Funciones de administración de energía integrado
- Soporte dúplex completo en ambos 10, 100 y 1000 Mbps
- Soporta auto negociación de IEEE 802.3u
- Soporta alambre para la administración

### ATA RAID – Arsenal Redundante Barato del Disco

- Se usa el controlador HighPoint 372N RAID
- RAID 0, 1, 0+1 y 1.5
  - RAID 1.5 realiza simultáneamente el regimen “stripping” y “mirroring” solo para dos discos
- Dos canales IDE independientes soportan hasta 4 discos (ATA/33, ATA/66, ATA/100, ATA/133 o EIDE)
- Soporta modos 0/1/2/3/4 del PIO, modos 0/1/2/ de DMA y modos 0/1/2/3/4/5/6 de UDMA

### Controlador de IDE Maestro de Bus PCI

- Soporta las unidades duras de ATA/33, ATA/66 y ATA/100
- PIO Modo 4 Realzada IDE (tasa de transferencia de dato hasta 14MB/seg.)
- Controlación de Bus reduce la utilización de CPU durante la trasferencia de disco
- Soporta ATAPI CD-ROM, LS-120 y ZIP

### El Inerfaz ICH5R SATA IDE/RAID

- Dos interfaces SATA (Serial ATA) son obedientes con la especificacion SATA 1.0 (el interfaz 1.5Gbps)
- Se soporta RAID 0 y 1

## Procesador Zócalo

- Zócalo 478

## AGP (Accelerated Graphics Port)

- Soporta especificaciones AGP 3.0 y AGP 2.0
- Soporta placas 1.5V AGP 8x (2.13Gb/seg.) è AGP 4x (1066Mb/seg.). Tarjetas AGP, AGP 2x y 3.3V no se soportan.

## Panel de reverso de conectores de entrada - Salida

- 4 puertos de USB 2.0/1.1
- 1 puerto de RJ45 LAN
- 1 puertos de serie DB-9
- 1 puerto paralelo de DB-25
- 1 puerto de ratón PS/2 mini-DIN-6
- 1 puerto de teclado mini-DIN-6 PS/2
- 2 enchufes de S/PDIF RCA (S/PDIF-in y S/PDIF-out)
- 3 enchufes de audio: line-out, line-in y mic-in
- 2 enchufes de audio: center/bass y rear out

## I/O Conectores

- 2 conectores para 4 puertos de USB 2.0/1.1 externo adicional
- 1 conector audio delantero para la salida extrema de linea y el micro
- 1 conector para un puerto de game/MIDI externa
- 2 conectores de CD-in y AUX-in audio interno
- 1 S/PDIF mortaja para conexión de cable óptico
- 1 conector para interfaz de IrDA
- 2 conectores de RAID IDE
- 2 conectores de Serial ATA
- 2 conectores de IDE
- 1 conector de disquete
- 2 conectores de fuente de alimentación de ATX
- 1 conector de Wake-On-LAN
- 4 conectores de abanicos de CPU, chasis, second y chip
- Una mortaja para 4 indicadores diagnósticos externos
- EZ conmutadores (conmutadores de alimentación y reset)

## Ranuras de Expansión

- 1 slot AGP y 5 slots PCI

### Compatibilidad

- Sumisión de PCI 2.2 y AC'97
- Versión 3.0 de Intel AGP

## 5.2 CMOS Reloaded

El submenú CMOS Reloaded permite conservar diferentes configuraciones y permite reconstituir una de las configuraciones conservadas antes, cuando es necesario. Opte CMOS Reloaded en menú principal de Award BIOS y aprete <Enter>. Vd puede conservar hasta dos configuraciones – en los campos “User Define Config 1” y “User Define Config 2”.



### Conservación de Configuración

Después de realizar todas las instalaciones necesarias mueva el cursor al “Backup” en “User Define Config 1” y aprete <Enter>.

### Reconstitución de Configuración

Para reconstituir las configuraciones conservadas antes mueva el cursor al “Load” en “User Define Config 1” y aprete <Enter>.

### Cambio de nombre de Configuración

Configuraciones conservadas se nombran automáticamente “Config 1” en el campo “User Define Config 1” y “Config 2” en el campo “User Define Config 2”. Para cambiar de nombre la configuración mueva el cursor al “Rename” y aprete <Enter>. Vd puede entrar hasta 16 símbolos.

Para conservar otra configuración repita los procedimientos descritos antes, pero en el campo "User Define Config 2".

### 5.3 Lista de Chequeo del Paquete

El paquete del tablero de sistema contiene los siguientes artículos:

- ☒ 1 tablero de sistema
- ☒ 2 manual de usuario
- ☒ 2 cables de flojo para IDE
- ☒ 1 cable de flojo para el disquette
- ☒ 2 cable serial ATA
- ☒ 1 cable de alimentacion serial ATA
- ☒ 1 placa con 1 puerto game/MIDI
- ☒ Un juego PC Transpo
- ☒ Un dispositivo FrontX
  - Dos USB 2.0/1.1 portes
  - Una mortaja de line-out
  - Una mortaja de mic-in
  - 4 indicadores diagnósticos
- ☒ Una chapa protectora I/O
- ☒ Una pasta de silicón (compuesto silicón-basado)
- ☒ Una pegatina LANPARTY
- ☒ Una insignia en caja
- ☒ Un paquete de jumper caps (cinco 2.54mm jumper caps)
- ☒ 1 disquette flojo "HighPoint 372 N RAID Drivers"
- ☒ 1 disquette flojo "Intel ICH5R RAID Driver for WinXP"
- ☒ 1 CD de "Mainboard Utility"
- ☒ Un CD "WinDVD/WinRIP Utility"

Si cualesquieres de estos artículos están perdidos o dañados, favor de ponerse en contacto con su tratante o representantes de venta para la asistencia.

Para información mas detallada de dispositivo FrontX refiérase al manual LANPARTY.

## Äèààà 6 - Đốññééé ýçûê

### 6.1 Õàðàèòàðèñòèèè è ñâîéñòàà

#### İđîòăññîđ

- İđîòăññîđ Intel® Pentium® 4 ñ òăđîîêîäèää Hyper-Threading
  - 800MHz/533MHz ñèñòăî íàý øèíà
- İđîòăññîđ Intel® Pentium® 4 Northwood
  - 533MHz/400MHz ñèñòăî íàý øèíà
- İđîòăññîđ Intel® Celeron® Northwood
  - 400MHz ñèñòăî íàý øèíà

#### ×èîñàò

- Intel® 875P chipset
  - Intel® 82875P Memory Controller Hub (MCH)
  - Intel® 82801ER I/O Controller Hub (ICH5R)

#### İîăăđæèââò İàìýòù

- İîăăđæèââò äâóèàíàèüíúé (128-áèòíîâî) èíòăđôäéñ
  - Èàæăúé èàíàè İîăăđæèââò 2 DIMM ñèîòà
- İîăăđæèââò 4Ăá İîăđàòèâííé İàìýòè
- İîăăđæèââò Äèíàìè-ăñéèé Đăæèì
- Ñèíóđîííàý İîăđàòèý ñ ñèñòăîííé øèííé İđîòăññîđà
  - PC2100/PC2700/PC3200 (DDR266/DDR333/DDR400) ñ İđîòăññîđîí íà øèíă 800MĂö (İîăăđæèââò Đăæèì PAT). DDR333 áóăăò ðàáîðàòù íà ÷àñòîòă 320MĂö îðè èñîîüçîîâíèè İđîòăññîđà íà øèíă 800MĂö.
  - Èñîîüçóéòă PC2100/PC2700 (DDR266/DDR333) ñ İđîòăññîđîí íà øèíă 533MĂö
  - Èñîîüçóéòă PC2100 (DDR266) ñ İđîòăññîđîí íà øèíă 400MĂö
- İîăăđæèââò İàìýòù ECC/non-ECC DIMM
- İîăăđæèââò íăáóô ôăđ. ìîăóèè DIMM

## BIOS

- Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play
- Genie BIOS:
  - Ðàçãíí Íðíòǎññíðǎ/DRAM
  - Ðàçãíí AGP/PCI/SATA
  - Óñòǎííǎè íǎíðýǎǎíèý Íðíòǎññíðǎ/DIMM/AGP
- Flash EPROM ǎèý íǎííǎǎíèý BIOS
- Ííǎǎǎðǎèǎǎò òóíèòèp DMI 2.0
- 4Mbit Flash Íǎíýòù

## Ýíǎðǎííè÷íóé ǎèçǎéí

- ACPI STR (Suspend to RAM)
- Àèòèǎèçǎòèý íǎ ǎǎèǎíèǎ ìòè
- Àèòèǎèçǎòèý íǎ íǎǎòèǎ Éíííèè USB Éèǎǎèòóðù
- Àèòèǎèçǎòèý íǎ ǎðíǎýùèé Çǎííè
- Àèòèǎèçǎòèý íǎ Ñǎðǎǎíǎ Ñíǎùòèǎ
- RTC Òǎéìǎð ǎèý ǎèèp÷ǎíèý Ñèñòǎìù
- Ñèà÷èè íǎíðýǎǎíèý

## Óóíèòèè Ìííèòíðèíǎ Ñíñòíýíèý Ñèñòǎìù

- Mííèòíðèíǎ òǎìíǎðǎòóðù Íðíòǎññíðǎ/ñèñòǎìù
- Mííèòíðèíǎ íǎíðýǎǎíèé CPU/1.5V/5VSB/VBAT/3.3V/5V/±12V
- Mííèòíðèíǎ ñèíðíñòè ǎðàùǎíèý ǎǎíðèèýòíðǎ CPU/chip/second
- ǎǎòíǎðè÷ǎñèíǎ óíðǎǎèǎíèǎ chip/second ǎǎíðèèýòíðǎ ñèñòǎìù
- Íòíǎðǎǎíèǎ òǎìíǎðǎòóðù, íǎíðýǎǎíèý è ñèíðíñòè ðǎǎíòù ǎǎíðèèýòíðǎ
- Óóíèòèý Çǎùèòù ǎǎíðèèýòíðǎ Íðíòǎññíðǎ ñèǎǎèò çǎ ðǎǎíòíé ǎǎíðèèýòíðǎ ǎí ǎðǎíý çǎǎðóçèè ñèñòǎìù
- Óóíèòèý Çǎùèòù Íðíòǎññíðǎ òò Íǎðǎǎðǎǎ òðñèǎǎèǎǎò òǎìíǎðǎòóðù Íðíòǎññíðǎ ǎí ǎðǎíý çǎǎðóçèè ñèñòǎìù

## ǎñòðíǎííóé Çǎóè

- Ííèííǎóíèǎñííóé 20-ǎèòííóé ñòǎðǎí èíǎǎè ñ íǎçǎàèñèìùì èçìǎíǎíèǎì ÷ǎñòíòù ñǎòèý

- Â ñ ò ð î å í í û å ñ ã ò å â û å ô ó í ê ö è è

- ATA RAID – Íðäîðîäîé Äèñêîüé ìàññà

- Êîíòďîëëåď PCI IDE ìàñòåď Øèíû

- ## Èíòãðôãñ ICH5R SATA IDE/RAID

- ## xẻ ãỉ ãỏ Socket

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- Ĩĩäääđæëäääđ ĩĩäöëôëëäöëë AGP 3.0 (AGP 4x è 8x) è AGP 2.0 (AGP 1x è 4x)
- Ĩĩäääđæëäääđ èäððû 1.5V AGP 8x (2.13ÃÁ/ñăĕ.) è AGP 4x (1066MÁ/ñăĕ.). AGP èäððû AGP 2x è 3.3V ĩă ĩĩäääđæëäääđpñŷ.

İ î ð ò û Â â î ä à / Â û â î ä à (I/O) ç à ä í â é ò à í â è è

- 4 USB 2.0/1.1
- 1 RJ45 LAN
- 1 15-pin D-sub DB-9
- 1 25-pin D-sub DB-25
- 1 6-pin DIN PS/2
- 1 6-pin DIN PS/2
- 2 S/PDIF RCA
- 3 3.5mm
- 2 3.5mm

## Đàçúả ì û Ââîăà/Âûâîăà

- 2 δαχύαι à äëý 4-ð áîíîííëððäëüíûð áíáøíëð USB 2.0/1.1 íîððíâ
- 1 íäððáíëé àòäëí δαχύαι à äëý áíáøíââí èëíáéííâí âúðíâà è íèèðíðííâ
- 1 δαχύαι à äëý áíáøíââí game/MIDI íîððà
- 2 áíòòððáííëð çâòêíâúð δαχύαι à (CD-in è AUX-in)
- 1 S/PDIF δαχύαι à äëý íðèñíâäèíáíëý íîðè-âñêíâí èââäëý
- 1 δαχύαι à äëý èíòðððäéñâ IrDA
- 2 RAID IDE δαχύαι à
- 2 Serial ATA δαχύαι à
- 2 IDE δαχύαι à
- 1 δαχύαι à äëý íîäèèþ-áíëý äâóð äèñêíâíâíâ áí 2.88Má
- 2 δαχύαι à íèðàíëý ATX
- 1 Wake-On-LAN (Ãèðèâèçàòëý íà ñâòâáíâ ñíâúðèà)
- Δαχύαι ù äëý äâíòèëýòíðà CPU/chassis/second/chip
- Íäëí δαχύαι à äëý 4-ð áíáøíëð äèââííñòè-âñêèè èíäèèððíðíâ
- EZ íäððäèþ-àòäèè (êíííèà íèðàíëý è ñáðíñâ)

## Dóñhèè

### Něìòù

- 1 AGP něìòíâ
- 5 PCI něìòíâ

### Níàì àñòèì íñù

- PCI 2.2 è AC '97
- Intel AGP àãðñèè 3.0

## 6.2 CMOS Reloaded

Ííàìáíp CMOS Reloaded ííçâíëýàò ààì, ìðè íáíáðíàèìíñòè, ñíððàíyòù ðàçéè+íùâ éííòèáóðàòèè, ÷òíáù â ààèùíáéøâì áíññòàííàèòù íáíó èç ðàíáâ ñíððàíáííùð éííòèáóðàòèè. Áùááðèðâ CMOS Reloaded à àèàáííì ìáíp Award BIOS è íàèìèðâ <Enter>.

Áù ìíæáðâ ñíððàíèèù âí àáóð éííòèáóðàòèè – â ííèâ “User Define Config 1” è “User Define Config 2”.



### Ñíððàíáíèâ Éííòèáóðàòèè

Ííñèâ òíáí, èàè áù çààáðèèèè àñâ íáíáðíàèìíùâ óñòàííàèè, ìáðâìáñòèðâ éóðñíð ìà “Backup” â “User Define Config 1” è íàèìèðâ <Enter>.

### Áíññòàííàèèâ Éííòèáóðàòèè

×òíáù áíññòàííàèòù ðàíáâ ñíððàíáííùâ éííòèáóðàòèè, ìáðâìáñòèðâ éóðñíð ìà “Load” â “User Define Config 1” è íàèìèðâ <Enter>.

## Íáðáèìáííàáíèå Ëííôèäóðàòèè

Íí óííè-àíèp, ñíððáíáíèp â ííèå “User Define Config 1” ààðñý èìý “Config 1” è “Config 2” â ííèå “User Define Config 2”. ×ðíáú íáðáèìáííààðú ñíððáíáíèå, íáðáíáñòèðå éóðñíð íå “Rename” è íæìèðå <Enter>. Åú ìíæåðå ààñòè áí 16 ñèìáíèíå.

Äëý ñíððáíáíèý àòðíé êííôèäóðàòèè ñèååóåò ìíàòðèèòú ííèñáííå ìðíååóðú, íí, íå ýòò ðàç, â ííèå “User Define Config 2”.

## 6.3 Êíìíèåòàòèý

Êíìíèåòàòèý ííòàåèè àòðèíèíé íèòàò:

- ☒ Ìàòðèíèåý íèòàò
- ☒ Ðóéíáíñòåí ííèçíààðèý
- ☒ Ååà IDE øèåóå äëý IDE
- ☒ Íæí øèåó äëý ôéííè èèñå
- ☒ Ååà øèåó Serial ATA
- ☒ Íæí øèåó øíóðìí íèòàíèý Serial ATA
- ☒ Çàáíý íèáíè ñ game/MIDI ííðà
- ☒ Íæí íááð PC Transpo
- ☒ Íáíí óñððíèñòåí FrontX
  - Ååà USB 2.0/1.1 ííðà
  - Íæí ðàçúåì èèíáííå áóðíåå
  - Íæí ðàçúåì ìèðíóííå
  - 4-ð áííøíè èèáííèð-åñèè èíèèòííå
- ☒ Íáíå çàòèðíå íèáíè I/O
- ☒ Íáíè ñèèèíííå íèòà (íå ííííå ñèèèííå)
- ☒ Íáíè íèèèèè LANPARTY
- ☒ Íæí çíå-íè íèððíí
- ☒ Íáíè óíèííè ååì íðíí (íýòú 2.54mm ååì íðíí)
- ☒ Íáíè èèñèòà “HighPoint 372 N RAID Drivers”
- ☒ Íáíè èèñèòà “Intel ICH5R RAID Driver for WinXP”
- ☒ Íæí CD ñ “Mainboard Utility”
- ☒ Íæí CD èèñè “WinDVD/WinRIP Utility”

Åñèè â êíìíèåòå èç ýòííí -ååí-òí íå ðåòàòè èèè ÷òí-òí èñííð-áíí, ííèèèèèè, ñåýèèñíí ñí ñáíèì èèèðíí èèè ìðíååóðú.Çà áíèåå ííððáííé èíóððíèèè íå óñððíèñòåí FrontX íáðàòèèñíí è ðóéíáíñòåí LANPARTY.