9I0AL1

Rev. A+

System Board User's Manual
Carte Mère Manuel Pour Utilisateur
System-Platine Benutzerhandbuch
Manual del Usuario de Placas Base
Ðóêîâîäñòâî Ïîëüçîâàòåëÿ

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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 recommend 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.

Table of Contents

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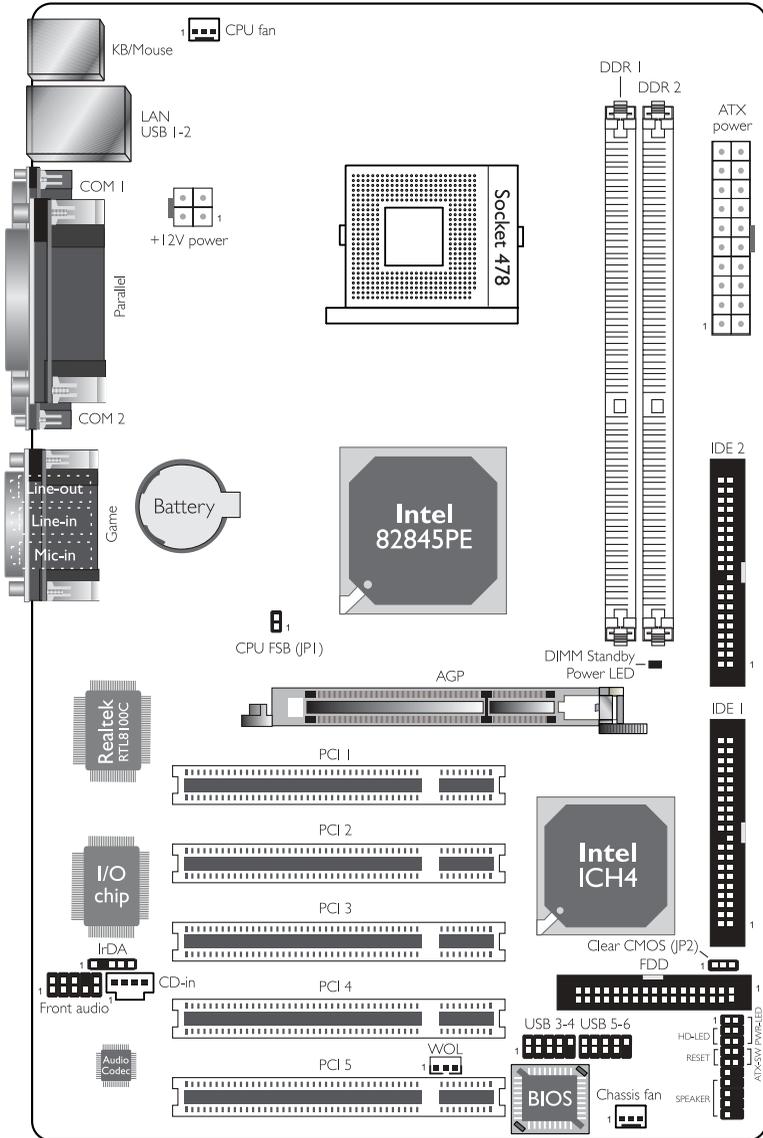
Das Benutzerhandbuch in der angebotenen CD enthält detaillierte Informationen über die Hauptplatine. Wenn in manchen Fällen manche Informationen nicht denjenigen Informationen dargestellt in diesem Handbuch entsprechen, soll dieses Handbuch als die meist aktualisierte Ausgabe gelten.

El uso explicativo contene 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.

Â ðóéî âî äñòàâ ïî ëüçî âàòåëÿ í à ïðåäí ñòàåÿâ èî ïî CD äèñêå ñî äåðæèòñÿ ïî äðî áí àÿ èí Ôî ðî àòèÿ î ì àòåðèí ñê é é ïëàòå. Èí ãäà í àìå ä÷àòàí î î ä ðóéî âî äñòàî ì ì æàò í à ñî àî àààòü ðóéî âî äñòàî ì   í à CD, òàê êàê ïî ñëåäíåå í àèî ëåå ÷àñòî î áí î âëÿàòñÿ è ÿâëÿåòñÿ ñàì ûì ñâåæèì .

Chapter 1 - Quick Setup Guide

1.1 System Board Layout

Diagram labels:
- KB/Mouse
- 1 CPU fan
- LAN USB 1-2
- COM 1
- +12V power
- Parallel
- COM 2
- Line-out
- Line-in
- Mic-in
- Game
- Battery
- CPU FSB (JP1)
- Realtek RTL8100C
- I/O chip
- IrDA
- CD-in
- Front audio
- Audio Codec
- DDR 1
- DDR 2
- ATX power
- Socket 478
- Intel 82845PE
- DIMM Standby Power LED
- AGP
- PCI 1
- PCI 2
- Intel ICH4
- PCI 3
- Clear CMOS (JP2)
- PCI 4
- WOL
- PCI 5
- BIOS
- Chassis fan
- IDE 2
- IDE 1
- FDD
- USB 3-4 USB 5-6
- HD-LED
- RESET
- SPEAKER
- ATX-SW PWR-LED

5

1.2 Jumper Settings

1.2.1 Clearing CMOS Data

JP2

1 2 3

1-2 On: Normal
(default)

1 2 3

2-3 On:
Clear CMOS Data

1.2.2 CPU FSB Select

JP1

2
1

On: Auto
(default)

2
1

Off: 800MHz
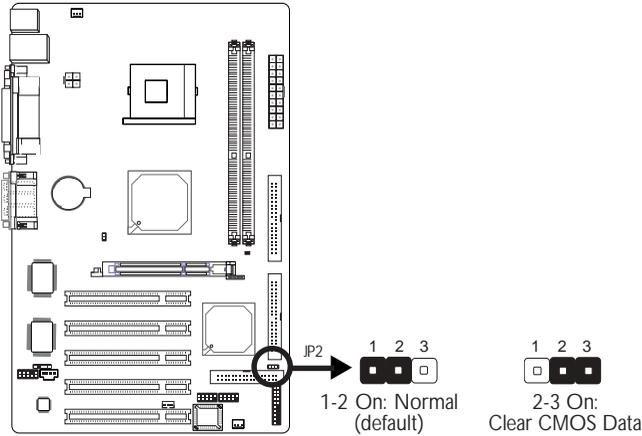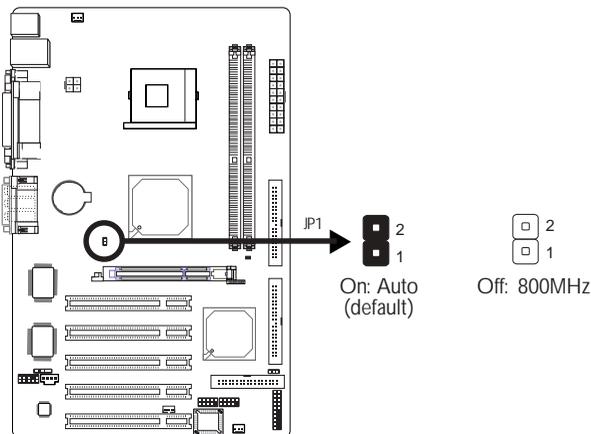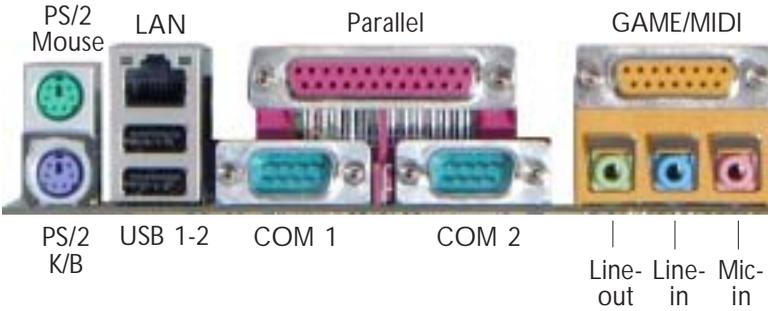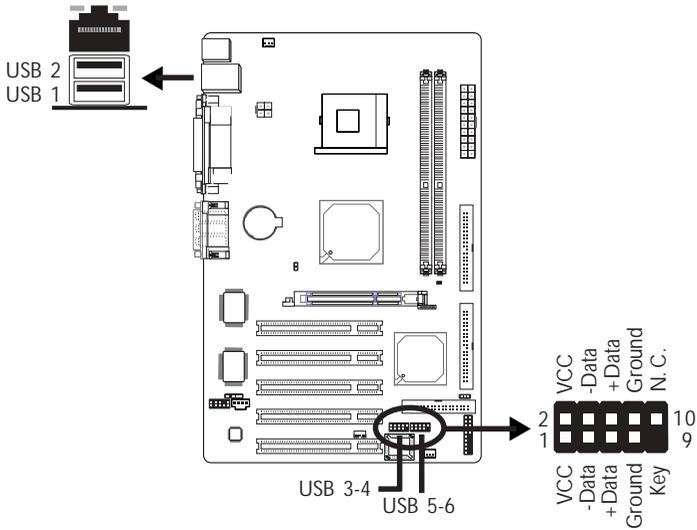
Overclocking may result to the CPU's or system's instability and are not guaranteed to provide better system performance. If you are unable to boot your system due to overclocking, make sure to set this jumper back to its default setting.

1.3 Rear Panel I/O Ports

PS/2
Mouse   LAN   Parallel   GAME/MIDI

PS/2   USB 1-2   COM 1   COM 2
K/B

Line- Line- Mic-
out   in   in

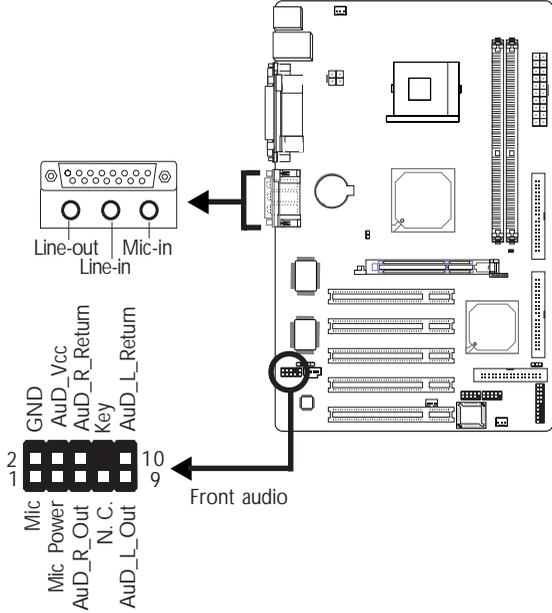## 1.4 I/O Connectors

1.4.1 Universal Serial Bus Ports

USB 2
USB 1

VCC
-Data
+Data
Ground
N.C.

2   10
1   9

VCC
-Data
+Data
Ground
Key

USB 3-4
USB 5-6

1.4.2 Audio

Line-out | Mic-in
Line-in

GND
AuD_Vcc
AuD_R_Return
Key
AuD_L_Return

2 ▮▮▮▮▮ 10
1 ▮▮▮▮▮ 9

Mic
Mic Power
AuD_R_Out
N. C.
AuD_L_Out

Front audio

1.4.3 CD-in Internal Audio Connector

Ground ― Ground
Left audio | Right audio
channel | channel

1 ▪▪▪▪ 4

8
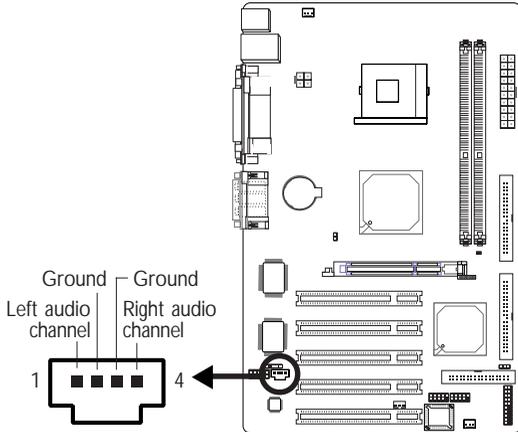
1.4.4 FDD and IDE Connectors

IDE 2
IDE 1
40 39
2 1
33 1
34 2
FDD

1.4.5 IrDA Connector

IRRX
N. C. Ground
VCC IRTX
1 5
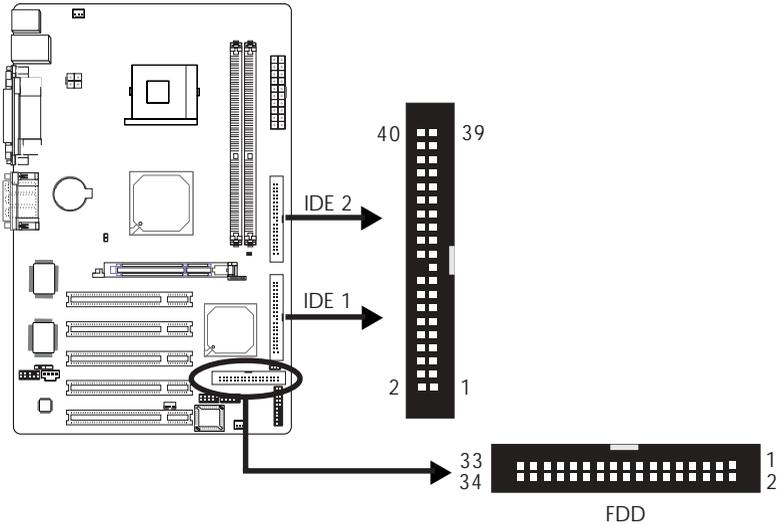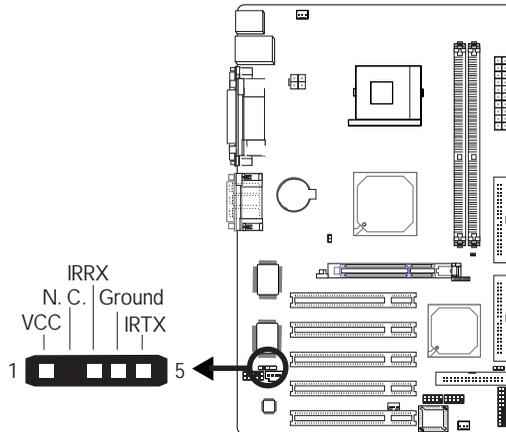
The sequence of the pin functions on some IrDA cable may be reversed from the pin function defined on the system board. Make sure to connect the cable to the IrDA connector according to their pin functions.

9

1.4.6   Cooling Fan Connectors

Power
Ground | N. C.

1 ▮▮▮ 3

CPU fan

Power
Ground | N. C.

1 ▮▮▮ 3

Chassis fan
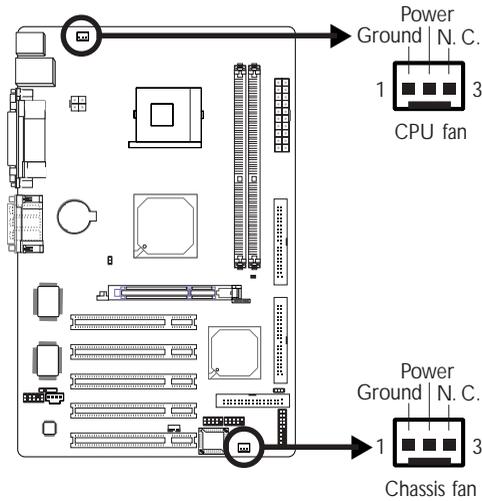
1.4.7   Wake-On-LAN Connector

Ground
+5VSB | WOL

1 ▮▮▮ 3
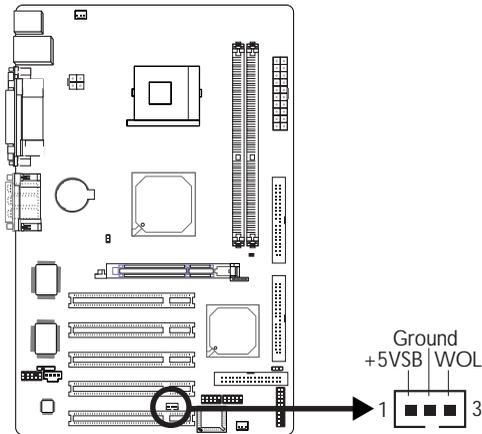
The 5VSB power source of your power supply must support ≥720mA.

1.4.8 LED

DIMM Standby
Power LED
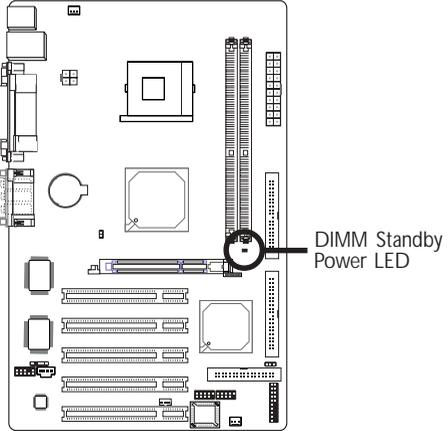
If the DIMM Standby Power LED is lighted, you must power-off the system then turn off the power supply's switch or unplug the power cord prior to installing any memory modules.

1.4.9 Power Connectors

	10 20	
+12V		+5V
5VSB		+5V
PW-OK		-5V
Ground		Ground
+5V		Ground
Ground		Ground
+5V		PS-ON
Ground		Ground
3.3V		-12V
3.3V		3.3V
	1 11	

+12V
Ground
4 · · 2
3 · · 1
Ground
+12V
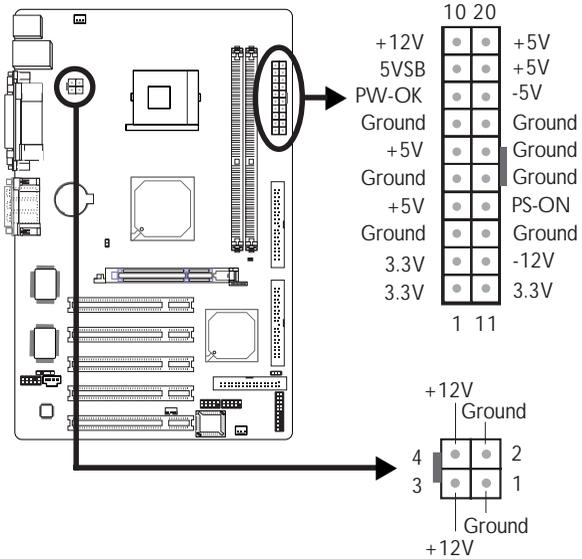
1.4.10   Front Panel Connectors
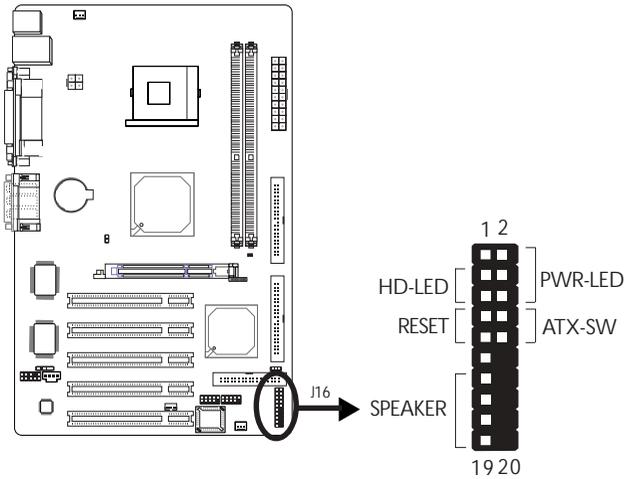
	Pin	Pin Assignment
HD-LED (Primary/Secondary IDE LED)	3 5	HDD LED Power HDD
Reserved	14 16	N. C. N. C.
ATX-SW (ATX power switch)	8 10	PWRBT+ PWRBT-
Reserved	18 20	N. C. N. C.
RESET (Reset switch)	7 9	Ground H/W Reset
SPEAKER (Speaker connector)	13 15 17 19	Speaker Data N. C. Ground Speaker Power
PWR-LED (Power/Standby LED)	2 4 6	LED Power (+) LED Power (+) LED Power (-) or Standby Signal

Chapter 2 - English

2.1 Features and Specifications

Processor

- Intel® Pentium® 4 Processor with Hyper-Threading Technology - 533MHz FSB
- Intel® Pentium® 4 processor (478-pin)
  - 533MHz system data bus
  - 400MHz system data bus
- Intel® Celeron® processor (478-pin)
  - 400MHz system data bus

Chipset

- Intel® 845PE chipset
  - Intel® 82845PE Memory Controller Hub (MCH)
  - Intel® 82801DB I/O Controller Hub (ICH4)

System Memory

- Two 184-pin DDR SDRAM DIMM sockets
- 2.5V unbuffered PC1600 (DDR200), PC2100 (DDR266) or PC2700 (DDR333) DDR SDRAM DIMM
  - DDR333 is supported only when using a 533MHz FSB processor
- Supports maximum of 2GB system memory using 64Mbit, 128Mbit, 256Mbit or 512Mbit technology
  - Double-sided x16 DDR SDRAM DIMM is not supported

BIOS

- Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play compatible
- Supports SCSI sequential boot-up
- Flash EPROM for easy BIOS upgrades
- Supports DMI 2.0 function
- 2Mbit flash memory

13

Intelligence

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

Onboard Audio Features

- 16-bit stereo full-duplex codec with independent variable sampling rate
- High quality differential CD input
- True stereo line level outputs
- 2-channel audio output

Onboard LAN Features

- Uses Realtek RTL8100C fast ethernet controller
- Integrated IEEE 802.3, 10BASE-T and 100BASE-TX compatible PHY
- 32-bit PCI master interface
- Integrated power management functions
- Full duplex support at both 10 and 100 Mbps
- Supports IEEE 802.3u auto-negotiation
- Supports wire for management

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

Processor Socket

- Socket 478

AGP (Accelerated Graphics Port)

- Supports 1.5V AGP 4x up to 1066MB/sec. bandwidth for 3D graphics applications

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

• Two USB 2.0/1.1 ports
• One RJ45 LAN port
• Two DB-9 serial ports
• One DB-25 parallel port
• One mini-DIN-6 PS/2 mouse port
• One mini-DIN-6 PS/2 keyboard port
• One game/MIDI port
• Three audio jacks: line-out, line-in and mic-in

I/O Connectors

• Two connectors for 4 additional external USB 2.0/1.1 ports
• One front audio connector for external line-out and mic-in jacks
• One CD-in internal audio connector
• One connector for IrDA interface
• Two IDE connectors
• One floppy connector
• Two ATX power supply connectors
• One Wake-On-LAN connector
• CPU and chassis fan connectors

Expansion Slots

• 1 AGP slot
• 5 PCI slots

Compatibility

• PCI 2.2 and AC '97 compliant
• Intel AGP version 2.0

2.2 Package Checklist

The system board package contains the following items:

- ☑ The system board
- ☑ A user's manual
- ☑ One IDE cable for ATA/33/66/100 IDE drives
- ☑ One 34-pin floppy disk drive cable
- ☑ One "Mainboard Utility" CD

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

English

Chapter 3 - Français

3.1 Caractéristiques et Spécifications

Processeur

- Les processeurs Intel® Pentium® 4 avec la Technologie Hyper-Threading - 533MHz FSB
- Processeur Intel® Pentium® 4 (478 broches)
    - 533MHz vitesse du bus
    - 400MHz vitesse du bus
- Processeur Intel® Celeron® (478 broches)
    - 400MHz vitesse du bus

Chipset

- Intel® 845PE chipset
    - Intel® 82845PE Controlleur du Mémoire (MCH - Memory Controller Hub)
    - Intel® 82801DB I/O Controleur Entrée/Sorrtie (ICH4 - I/O Controller Hub)

Mémoire Système

- 2 sockets DDR SDRAM DIMM 184 broches
- Supporte DDR SDRAM DIMM PC1600 (DDR200), PC2100 (DDR266) ou PC2700 (DDR333) 2.5V
    - La DDR333 peut marcher si utilisée avec un processeur à 533MHz de FSB.
- Permettre l'utilisation de maximum de 2GB système mémoire utilisant technologie de 64Mbit, 128Mbit, 256Mbit ou 512Mbit
    - Ne permettre pas l'utilisation de x16 DDR SDRAM DIMM à deux faces

BIOS

- Compatible avec Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play
- Supporte l'amorçage séquentiel SCSI
- EPROM Flash pour une mise à niveau facile du BIOS
- Supporte la fonction DMI 2.0
- Mémoire Flash 2Mbit

17

Intelligence

- ACPI STR (Suspend to RAM) fonction
- Réveil-Sur-PS/2 Clavier/Souris
- Eveil Clavier USB
- Réveil Par Le Réseau
- Minuterie RTC pour allumer le système

Caractéristiques Audio sur Carte

- Codec full-duplex 16 bits stéréo avec fréquence d'échantillonnage variable indépendante
- Entrée CD différentielle de haute qualité
- Sorties de niveau de lignes stéréo vraies
- Sortie audio 2-canaux

Fonctionnalités Onboard LAN

- Utilise le contrôleur Realtek RTL8100C Fast Ethernet
- IEEE 802.3, 10BASE-T et 100BASE-TX intégrés compatibles PHY
- Interface maître PCI 32 bits
- Fonctions de gestion d'alimentation intégrées
- Support Full duplex à 10 et 100 Mbps
- Supporte l'auto négociation IEEE 802.3u
- Support câble pour la gestion

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

Socket Processeur

- Socket 478

AGP (Accelerated Graphics Port)

• Supporte 1.5V 4x AGP avec une bande passante allant jusqu'à 1066Mo/sec pour les applications graphiques 3D

Le panneau des ports Entrée/Sortie en arrière
(Connecteurs PC 99 avec codes couleur)

• 2 ports USB 2.0/1.1
• 1 port RJ45 LAN
• 2 ports série DB-9
• 1 port parallèle DB-25
• 1 port souris PS/2 mini-DIN-6
• 1 port clavier PS/2 mini-DIN-6
• 1 pour jeu/MIDI
• 3 prises audio: ligne de sortie (line-out), ligne d'entrée (line-in) et entrée micro (mic-in)

Connecteurs Entrée/Sortie

• 2 connecteurs pour 4 ports USB 2.0/1.1 supplémentaires
• 1 connecteur pour des fiches de sortie ligne et d'entrée micro externes
• 1 connecteur CD-in audio internes
• 1 connecteur pour interface IrDA
• 2 connecteurs IDE
• 1 connecteur de lecteur de disquettes
• 2 connecteurs d'alimentation ATX
• 1 connecteur Wake-On-LAN
• Connecteurs de ventilateurs de CPU et de châssis ventilateur

Logements d'Extension

• 1 slot AGP
• 5 slots PCI

Compatibilité

• Compatible PCI 2.2 et AC'97
• Intel AGP version 2.0

Français

3.2 Liste de Vérification de l'Emballage

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

- ☑ 1 carte système
- ☑ 1 manuel utilisateur
- ☑ 1 câble IDE pour les lecteurs IDE ATA/33/66/100
- ☑ 1 câble 34 broches pour lecteur de disquette
- ☑ 1 CD "Mainboard 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.

Chapter 4 - Deutsch

4.1 Leistungsmerkmale und Technische Daten

Prozessor

- Intel® Pentium® 4 Prozessor mit Hyper-Threading Technologie - 533MHz FSB
- Intel® Pentium® 4 Prozessor (478-polige)
    - 533MHz Systemdatenbus
    - 400MHz Systemdatenbus
- Intel® Celeron® Prozessor (478-polige)
    - 400MHz Systemdatenbus

Chipset

- Intel® 845PE chipset
    - Intel® 82845PE Speichersteuerungs-Plattenmitte (MCH)
    - Intel® 82801DB I/O Steuerungsplattenmitte (ICH4)

Systemspeicher

- Zwei 184-Stift DDR SDRAM DIMM Buchsen
- 2.5V ungepuffertes PC1600 (DDR200), PC2100 (DDR266) oder PC2700 (DDR333) DDR SDRAM DIMM
    - Im Betrieb mit einer 533 MHz FSB CPU arbeitet DDR333-Speicher.
- Maximalunterstützung von 2GB-Systemspeicher mittels Verwendung von 64Megabit, 128Megabit, 256Megabit oder 512Megabit-Technologie
    - Zweiseitig x16 DDR SDRAM DIMM wird nicht unterstützt

BIOS

- Kompatibilität mit Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play
- Unterstützung des sequentiellen SCSI-Ladens
- Flash EPROM für ein einfaches Aktualisieren des BIOS
- Unterstützung der DMI-2.0-Funktion
- Flash-Speicher (2Mbit)

Deutsch

Intelligente Ausstattungsteile

- ACPI STR (Suspend to RAM) funktion
- Wecken bei PS/2-Tastatur/Maus
- Wecken bei USB-Tastatur
- Wecken des Systems durch das Netzwerk
- RTC-Taktgeber zum Einschalten des Systems

Audiomerkmale auf Platine

- 16-Bit-Stereo-Vollduplex-Codec mit unabhängiger und variabler Abtastfrequenz
- Hochwertige CD-Differential-Eingabe
- Naturgetreue Stereo-Leitungspegel-Ausgabe
- 2-Kanal-Audioausgang

Merkmale des LANs auf Platine

- Benutzung des Realtek RTL8100C für die Fast-Ethernet-Verbindung
- Integrierter IEEE 802.3, 10BASE-T und 100BASE-TX kompatibler PHY
- 32-Bit-PCI-Master-Schnittstelle
- Integrierte Power-Management-Funktionen
- Vollduplex-Unterstützung bei 10 und 100 Mbps
- Unterstützung der IEEE-802.3u-Auto-Negotiation
- Unterstützung des Leiters für das Management

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

Prozessor Socket

- Buchse 478

AGP (Accelerated Graphics Port)

* Für die 3D-Grafikanwendungen unterstützt die universelle AGP-Steckfassung einen 1.5V AGP 4x mit einer Bandweite von bis zu 1066MB/Sek.

Ein-/Ausgabe-Porte an der Rückwand
(PC 99 mit farbkodierten Steckverbindungen)

* 2 USB 2.0/1.1-Anschlüsse
* 1 RJ45 LAN-Anschlüsse
* 2 serieller DB-9-Anschluß
* 1 DB-25-Parallelanschluß
* 1 Mini-DIN-6-Anschluß für eine PS/2-Maus
* 1 Mini-DIN-6-Anschluß für eine PS/2-Tastatur
* 1 game/MIDI Port
* 3 Audio-Anschlußbuchsen: Ausgangsleitung, Eingangsleitung und Mikrofon-Eingang

Ein-/Ausgabe-Steckverbinder

* 2 Anschlußfassung für 4 zusätzliche externe USB-Anschlüsse
* 1 Anschluß für externe line-out und mic-in Einrichtungen
* 1 interne Audioanschlüsse (CD-in)
* 1 Anschluß für die IrDA-Schnittstelle
* 2 IDE-Anschlüsse
* 1 Floppy-Anschluß
* 2 Anschlußstecker für das ATX-Netzgerät
* 1 Anschlußstecker für Wecken durch LAN
* CPU- und Chassis- ventilator-Anschlüsse

Erweiterungssteckfasssungen

* 1 AGP-Einbauplätzen
* 5 PCI-Einbauplätzen

Kompatibilität

* Kompatibilität mit PCI 2.2 und AC'97
* Intel AGP, version 2.0

Deutsch

4.2 Verpackungsliste

In der Verpackung der Systemplatine sind folgende Artikel enthalten:

☑ 1 Systemplatine
☑ 1 Benutzerhandbuch
☑ 1 IDE-Kabel für ATA/33/66/100-IDE-Laufwerke
☑ 1 Floppylaufwerkskabel mit 34poligen Anschlußstecker
☑ 1 CD mit "Mainboard Utility"

Fehlt einer dieser Artikel oder weist einer dieser Artikel Beschädigungen auf, wenden Sie sich an Ihren Händler oder Vertreter.

Deutsch

Chapter 5 - Español

5.1 Características y Especificaciones

Procesador

- Procesador Pentium® 4 de Intel® con la Tecnología Hiper-Enhebramiento - 533MHz FSB
- Procesador Intel® Pentium® 4 (478-terminales)
  - 533MHz Canal de datos del sistema
  - 400MHz Canal de datos del sistema
- Procesador Intel® Celeron® (478-terminales)
  - 400MHz Canal de datos del sistema

Chipset

- Intel® 845PE chipset
  - Hub de Controlador Memoria de Intel® 82845PE (MCH)
  - Hub de Controlador I/O de Intel® 82801DB (ICH4)

Memoria de Sistema

- 2 enchufes de 184-terminales DDR SDRAM DIMM
- PC1600 (DDR200), PC2100 (DDR266) o PC2700 (DDR333) DDR SDRAM DIMM de 2.5V sin buffer
  - DDR333 va a funcionar usando el procesador con el bus 533MHz.
- Apoya un máximo de 2GB memoria de sistema usando la tecnología de 64Mbit, 128Mbit, 256Mbit o 512Mbit
  - No está apoyado con lado doble de x16 DDR SDRAM DIMM

BIOS

- Award BIOS, Windows® 98SE/2000/ME/XP Enchufar y Usar compatible
- Soporta el incio de secuencia de SCSI
- Parpadea EPROM para fácil actualización de BIOS
- Soporta la función de DMI 2.0
- Memoria Instante (2Mbitios)

Inteligencia

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

Características de Audio En Tablero

- Codec dúplex completo estéreo de 16-bit con independiente frecuencia de muestreo variable
- Alta calidad de entrada de CD diferencial
- Auténtico salidas de nivel de línea estéreo
- Output auricular de 2-canal

Características de LAN Interno

- Utiliza el rápido controlador Ethernet de Realtek RTL8100C
- IEEE 802.3, 10BASE-T y 100BASE-TX integrado de PHY compatible
- Interfaz maestro de 32-bit PCI
- Funciones de administración de energía integrado
- Soporte dúplex completo en ambos 10 y 100 Mbps
- Soporta auto negociación de IEEE 802.3u
- Soporta alambre para la administración

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

Procesador Zócalo

- Zócalo 478

AGP (Accelerated Graphics Port)

• Soporta 1.5V AGP 4x con 1066MB/sec. para las tearjetas 3D

Panel de reverso de conectores de entrada - Salida (Conectores de PC 99 color-cifrado)

• 2 puertos de USB 2.0/1.1
• 1 puerto de RJ45 LAN
• 2 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
• 1 puerto de juego/MIDI
• 3 enchufes de audio: línea de salida, línea de entrada y mic de entrada

I/O Conectores

• 2 conectores para 4 puertos de USB 2.0/1.1 externo adicional
• 1 conector para salida de sonido externa y jack de micrófono
• 1 conector de audio interno (CD-in)
• 1 conector para interfaz de IrDA
• 2 conectores de IDE
• 1 conector de disquete
• 2 conectores de fuente de alimentación de ATX
• 1 conector de Wake-On-LAN
• Conectores de abanicos de CPU y chasis

Ranuras de Expansión

• 1 slot AGP
• 5 slots PCI

Compatibilidad

• Sumisión de PCI 2.2 y AC'97
• Versión 2.0 de Intel AGP

Español

5.2 Lista de Chequeo del Paquete

El paquete del tablero de sistema contiene los siguientes artículos:

☑ 1 tablero de sistema
☑ 1 manual de usuario
☑ 1 cable de IDE para las unidades de ATA/33/66/100 IDE
☑ 1 cable de unidad de disquete de 34-terminales
☑ 1 CD de "Mainboard Utility"

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

Ãëàâà 6 - Ðóññêèé ÿçûê

6.1 Õàðàêòåðèñòèêè è ñâîéñòâà

Ïðîöåññîð

- Ïðîöåññîð Intel® Pentium® 4 ñ òåõíîëîãèåé Hyper-Threading - 533MÃö FSB
- Ïðîöåññîð Intel® Pentium® 4 (478-pin)
  - 533MÃö ñèñòåìíàÿ øèíà
  - 400MÃö ñèñòåìíàÿ øèíà
- Ïðîöåñññîð Intel® Celeron® (478-pin)
  - 400MHz ñèñòåìíàÿ øèíà

×èïñåò

- ×èïñåò Intel® 845PE
  - Intel® 82845PE Memory Controller Hub (MCH)
  - Intel® 82801DB I/O Controller Hub (ICH4)

Ïàìÿòü

- Äâà DIMM ãíåçäà ïîä 184-pin DDR SDRAM
- 2.5V íåáóÔÔâåð, PC1600 (DDR200), PC2100 (DDR266) èëè PC2700 (DDR333) DDR SDRAM DIMM
  - DDR333 áóäåò ðàáîòàòü èñïîëüçîâàíèè ïðîöåññîðà íà øèíå 533MÃö.
- Ïîääåðæêà äî 2ÃÁ îïåðàòèêíîé ïàìÿòè ïî òåõíîëîãèè 64Ì áèò, 128Ì áèò, 256Ì áèò èëè 512Ì áèò
  - Äâóõñòîðîííèé x16 DDR SDRAM DIMM íå ïîääåðæèâàåòñÿ

BIOS

- Award BIOS, Windows® 98SE/2000/ME/XP Plug and Play
- Ïîääåðæèâàåò çàãðóçêó SCSI
- Flash EPROM äëÿ îáíîâëåíèÿ BIOS
- Ïîääåðæèâàåò Ôóíêöèþ DMI 2.0
- 2Mbit Flash Ïàìÿòü

Ðàçóì í î ñòü

- ACPI STR (Suspend to RAM)
- Àêòèâèçàöèÿ Í à Äàâæåíèê Ì ûøè
- Àêòèâèçàöèÿ Í à Í æàòèê Êî î ïïê USB Êëàâèàòóðû
- Àêòèâèçàöèÿ Í à Ñåòåâî å Ñî áûòèê
- RTC Òàéì åð àëÿ Âêëþ÷åíèÿ Ñèñòåì û

Âñòðî åí í é Çâóê

- Ï î ëî î äàí ëåêíî ûé 16-áèòî ûé ñòåðåî êî äåê ñ í åçàâèñèì ûì èçì åíåíèì ÷àñòî òû ñæàòèÿ
- Âûñî êî êà÷åñòâåí í ûé äèôôåðåí öèàëüí ûé CD âõî ä
- Í àñòî ÿùèé ëèí åéí ûé ñòåðåî âûõî ä
- 2-è êàí àëüí ûé çâóêî âî é âûõî ä

Âñòðî åí í à ñåòåâûå Óóí êöèè

- Áûñòðûé Ethernet êî í òðî ëëåð Realtek RTL8100C
- Âñòðî åí í ûé è í òåðôåéñ IEEE 802.3, 10BASE-T è 100BASE-TX ñî àì åñòèì ûé PHY
- 32-áèòî ûé è í òåðôåéñ ì àñòåð PCI
- Âñòðî åí í à Óóí êöèè óï ðàâëåíè ÿ ïèòàí èåì
- Ï î ëî î äàï ëåêíî àÿ ïî äàäåðæêà í à 10 è 100 Mbps
- Ï î äàäðèâàåò IEEE 802.3u auto-negotiation
- Ðààí îòà ÷åðåç Øí óð óï ðàâëåíÿ

Êî í òðî ëëåð PCI IDE Ì àñòåð Øèí û

- Ï î äàäðæèâàåò æåñòêèå äèñêè ATA/33, ATA/66 è ATA/100
- PIO Mode 4 Ðàñøèðåí í ûé IDE (ñêî ðî ñòü ï åðåäà÷è äàí í ûõ àî 14Ì Á/ñåê.)
- Ì àñòåðèí ã øèí û ñí èæàåò í àãðóçêó í à öåí òðàëüí ûé ï ðî öåññî ð
- Ï î äàäåðæèâàåò ATAPI CD-ROM, LS-120 è ZIP

×èï ñåò Socket

- Socket 478

AGP (Accelerated Graphics Port)

- Óí êàâåðñàëüíûé ûé AGP ñëî ò ï î äàâåæèâàåò 1.5V AGP 4x ñ 1066MB/ñåê â 3D ãðàôè÷åñêèõ ï ðèëî æåí èÿõ

Ï î ðòû Ââî äà/Âûâî äà (I/O) çàäíåé ï àí åëè (öåâî âàÿ äàí í à ðàçúåì î â PC 99)

- 2 USB 2.0/1.1 ï î ðòà
- 1 RJ45 LAN ï î ðò
- 2 DB-9 ï î ðòà
- 1 DB-25 ï àðàëëåëüí ûé ï î ðò
- 1 ì èí è-DIN-6 PS/2 ï î ðò äëÿ ì ûøè
- 1 ì èí è-DIN-6 PS/2 ï î ðò äëÿ êëàâèàòóðû
- 1 èàðì î àî /MIDI ï î ðòà
- 3 àí çäà äëÿ çâóêà: âûõî ä, âõî ä è ì èêðî Ôî í

Ðàçúåì û Ââî äà/Âûâî äà

- 2 ðàçúåì äëÿ 4-õ äî ï î ëí èòåëüí ûõ âí åøí èõ USB 2.0/ 1.1 ï î ðòî â
- 1 ðàçúåì äëÿ âí åøí åãî ëèí åéí î ãî âûõî äà è ì èêðî Ôî í à
- 1 âí óòðåí í èé çàóêî âû ðàçúåì à (CD-in)
- 1 ðàçúåì äëÿ èí òåðôåéñà IrDA
- 2 IDE ðàçúåì à
- 1 floppy ðàçúåì
- 2 ðàçúåì à ï èòàí èÿ ATX
- 1 Wake-On-LAN (Àêòèâèçàöèÿ í à ñåòåâî å ñî áûòèå)
- Ðàçúåì û äëÿ âåí òèëÿòî ðà ï ðî öåññî ðà, ñèñòåì í î ãî è áëî êà

Ñëî òû

- 1 AGP ñëî òî â
- 5 PCI ñëî òî â

Ñî âì åñòèì î ñòü

- PCI 2.2 è AC '97
- Intel AGP âåðñèè 2.0

Ðóññêèé

6.2 Êî ì ï ëåêòàöèÿ

Êî ì ï ëåêòàöèÿ ï î ñòàâêè ì àòåðèí ñêî é ï ëàòû:

☑ Ì àòåðèí ñêàÿ ï ëàòà
☑ Ðóêî âî äñòâî ï î ëüçî âàòåëÿ
☑ Î äèí IDE øëåéÔ äëÿ æåñòêèõ äèñêî â ATA/33/66/100
☑ Î äèí 34-pin øëåéÔ äëÿ äèñêî âî äà
☑ Î äèí CD ñ "Mainboard Utility"

Åñëè â êî ì ï ëåêòå èç ýòî ãî ÷åãî -òî í å õâàòàåò èëè ÷òî -
òî èñï î ð÷åí î , ï î æàëóéñòà, ñâÿæèòåñü ñî ñâî èì
äèëåðî ì èëè ï ðî äàâöî ì .