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Table of Contents

Chapter 1: Introduction	3
1.1 Before You Start	3
1.2 Package Checklist	3
1.3 Motherboard Features	4
1.4 Rear Panel Connectors	6
1.5 Motherboard Layout	7
Chapter 2: Hardware Installation	8
2.1 Installing Central Processing Unit (CPU)	8
2.2 FAN Headers	10
2.3 Installing System Memory	11
2.4 Connectors and Slots	13
Chapter 3: Headers & Jumpers Setup	15
3.1 How to Setup Jumpers	15
3.2 Detail Settings	15
Chapter 4: RAID Functions	21
4.1 Operation System	21
4.2 Raid Arrays	21
4.3 How RAID Works	21
Chapter 5: Useful Help	25
5.1 Driver Installation Note	25
5.2 Award BIOS Beep Code	26
5.3 Extra Information	26
5.4 Troubleshooting	27
Appendices: SPEC In Other Language	28
German	28
France	30
Italian	32
Spanish	34
Portuguese	36
Polish	38
Russian	40
Arabic	42
Japanese	44

CHAPTER 1: INTRODUCTION

1.1 BEFORE YOU START

Thank you for choosing our product. Before you start installing the motherboard, please make sure you follow the instructions below:

- Prepare a dry and stable working environment with sufficient lighting.
- Always disconnect the computer from power outlet before operation.
- Before you take the motherboard out from anti-static bag, ground yourself properly by touching any safely grounded appliance, or use grounded wrist strap to remove the static charge.
- Avoid touching the components on motherboard or the rear side of the board unless necessary. Hold the board on the edge, do not try to bend or flex the board.
- Do not leave any unfastened small parts inside the case after installation. Loose parts will cause short circuits which may damage the equipment.
- Keep the computer from dangerous area, such as heat source, humid air and water.

1.2 PACKAGE CHECKLIST

- ✚ HDD Cable X 1
- ✚ Serial ATA Cable X 1
- ✚ Rear I/O Panel for ATX Case X 1
- ✚ Installation Guide X 1
- ✚ Fully Setup Driver CD X 1 (full version manual files inside)
- ✚ FDD Cable X 1 (optional)
- ✚ Serial ATA Power Cable X 1 (optional)
- ✚ USB 2.0 Cable X1 (optional)
- ✚ S/PDIF out Cable X 1 (optional)

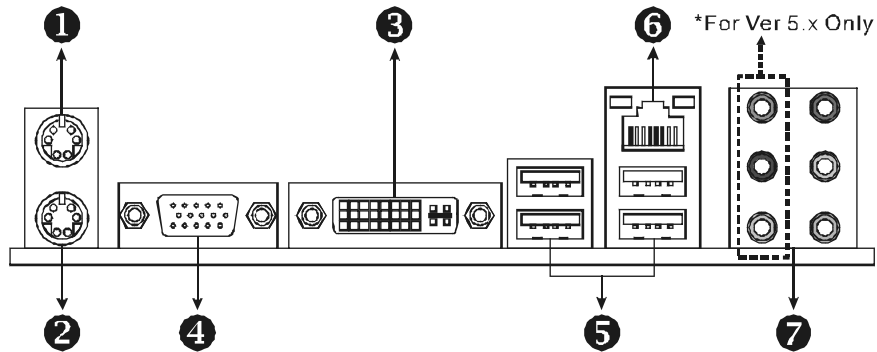
Note: The package contents may differ by area or your motherboard version.

1.3 MOTHERBOARD FEATURES

	Ver 5.x	Ver 6.x
CPU	Socket AM2 AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron processors AMD 64 Architecture enables 32 and 64 bit computing Supports Hyper Transport and Cool'nQuiet	Socket AM2 AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron processors AMD 64 Architecture enables 32 and 64 bit computing Supports Hyper Transport and Cool'nQuiet
FSB	Supports up to 1 GHz Bandwidth Support HyperTransport	Supports up to 1 GHz Bandwidth Support HyperTransport
Chipset	GeForce 7050/NF630a	GeForce 7050/NF630a
Super I/O	ITE 8716F Provides the most commonly used legacy Super I/O functionality. Low Pin Count Interface Environment Control initiatives, H/W Monitor Fan Speed Controller ITE's "Smart Guardian" function	ITE 8716F Provides the most commonly used legacy Super I/O functionality. Low Pin Count Interface Environment Control initiatives, H/W Monitor Fan Speed Controller ITE's "Smart Guardian" function
Main Memory	DDR2 DIMM Slots x 2 Max Memory Capacity 4GB Each DIMM supports 256MB/512MB/1GB/ 2GB DDR2 Dual Channel Mode DDR2 memory module Supports DDR2 533 / 667 / 800 Registered DIMM and ECC DIMM is not supported	DDR2 DIMM Slots x 2 Max Memory Capacity 4GB Each DIMM supports 256MB/512MB/1GB/ 2GB DDR2 Dual Channel Mode DDR2 memory module Supports DDR2 533 / 667 / 800 Registered DIMM and ECC DIMM is not supported
Graphics	Integrated in GeForce 7050/NF630a Chipset Max Shared Video Memory is 512MB	Integrated in GeForce 7050/NF630a Chipset Max Shared Video Memory is 512MB
IDE	Integrated IDE Controller Ultra DMA 33 / 66 / 100 / 133 Bus Master Mode supports PIO Mode 0~4,	Integrated IDE Controller Ultra DMA 33 / 66 / 100 / 133 Bus Master Mode supports PIO Mode 0~4,
SATA II	Integrated Serial ATA Controller Data transfer rates up to 3 Gb/s. SATA Version 2.0 specification compliant.	Integrated Serial ATA Controller Data transfer rates up to 3 Gb/s. SATA Version 2.0 specification compliant.
LAN	Realtek RTL 8201N / 8211B (optional) 10 / 100 Mb/s / 1Gb/s auto negotiation (Gigabit bandwidth is for RTL 8211B only) Half / Full duplex capability	Realtek RTL 8201N / 8211B (optional) 10 / 100 Mb/s / 1Gb/s auto negotiation (Gigabit bandwidth is for RTL 8211B only) Half / Full duplex capability

	Ver 5.x	Ver 6.x
Sound	ALC888 7.1 channels audio out High Definition Audio	ALC662 5.1 channels audio out High Definition Audio
Slots	PCI slot x2 PCI Express x16 slot x1 PCI Express x 1 slot x1	PCI slot x2 PCI Express x16 slot x1 PCI Express x 1 slot x1
On Board Connector	Floppy connector x1 Printer Port connector x1 IDE Connector x1 SATA Connector x4 Front Panel Connector x1 Front Audio Connector x1 CD-in Connector x1 S/PDIF out connector x1 CPU Fan header x1 System Fan header x1 CMOS clear header x1 USB connector x3 Serial port Connector x1 Power Connector (24pin) x1 Power Connector (4pin) x1	Floppy connector x1 Printer Port connector x1 IDE Connector x1 SATA Connector x4 Front Panel Connector x1 Front Audio Connector x1 CD-in Connector x1 S/PDIF out connector x1 CPU Fan header x1 System Fan header x1 CMOS clear header x1 USB connector x3 Serial port Connector x1 Power Connector (24pin) x1 Power Connector (4pin) x1
Back Panel I/O	PS/2 Keyboard x1 PS/2 Mouse x1 VGA port x1 DVI-D port x1 LAN port x1 USB Port x4 Audio Jack x6	PS/2 Keyboard x1 PS/2 Mouse x1 VGA port x1 DVI-D port x1 LAN port x1 USB Port x4 Audio Jack x3
Board Size	208 mm(W) x 244 mm(L)	208 mm(W) x 244 mm(L)
Special Features	RAID 0 / 1 / 5 / 0+1 support	RAID 0 / 1 / 5 / 0+1 support
OS Support	Windows 2000 / XP / VISTA Biostar Reserves the right to add or remove support for any OS With or without notice.	Windows 2000 / XP / VISTA Biostar Reserves the right to add or remove support for any OS With or without notice.

1.4 REAR PANEL CONNECTORS



❶ PS/2 Mouse Port

❷ PS/2 Keyboard Port

❸ DVI-D VGA Port

The Digital Visual Interface (DVI) is a video interface transmitting digital video signals to digital display devices such as flat panel LCDs or digital projectors. The DVI-D connector allows digital signals transmission only.

❹ D-Sub VGA Port

Transmit analog video signals to computer monitor or any other display panels equipped with D-Sub VGA input.

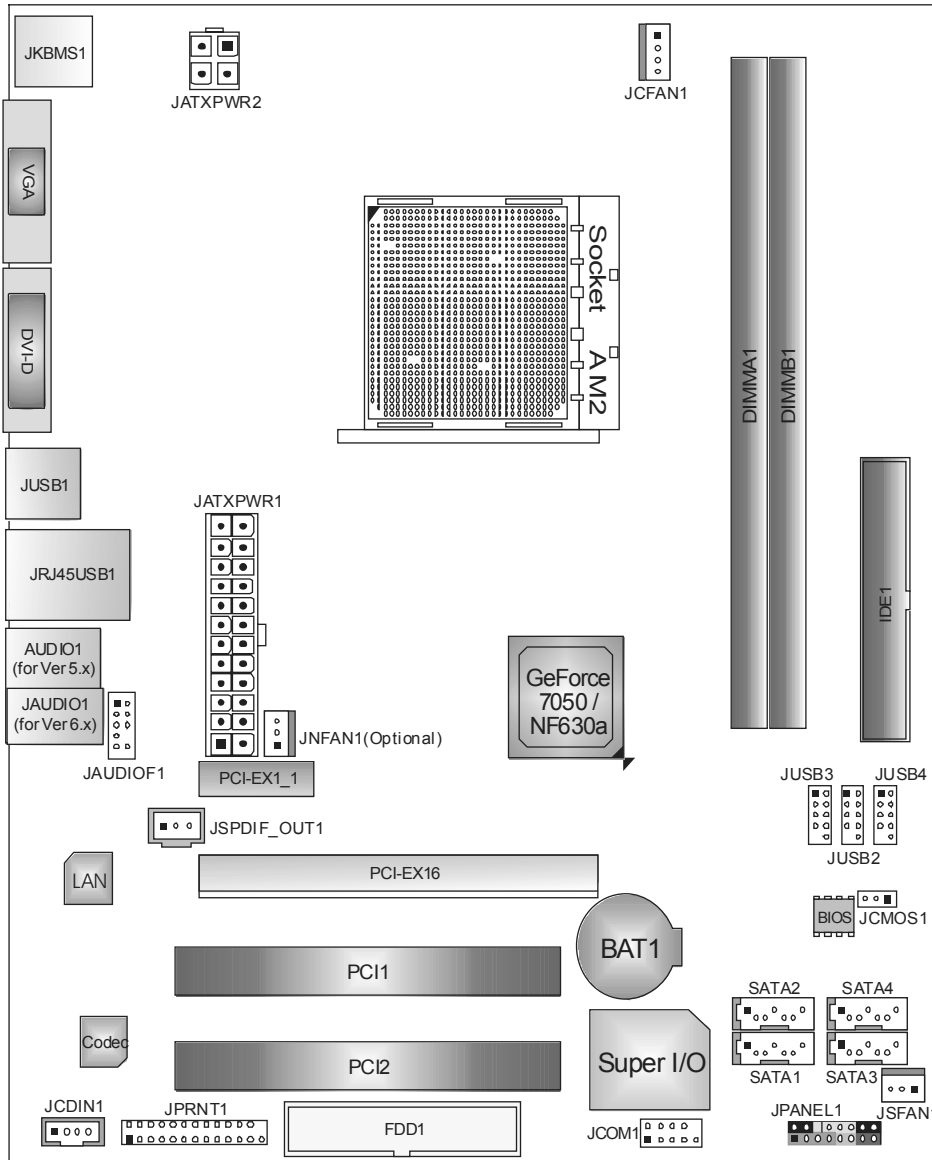
❺ USB 2.0 Port x 4

❻ RJ-45 LAN Port

❼ Audio Jack x 6 (for Ver 5.x) / Audio Jack x 3 (for Ver 6.x)

Port	2-Channel	4-Channel	6-Channel/8-Channel
Blue	Line-In	Line-In	Line-In
Green	Line-Out	Front Speaker Out	Front Speaker Out
Pink	Mic In	Mic In	Mic In
Orange			Center/Subwoofer
Black	Rear Speaker Out	Rear Speaker Out	Rear Speaker Out
Grey			Side Speaker Out

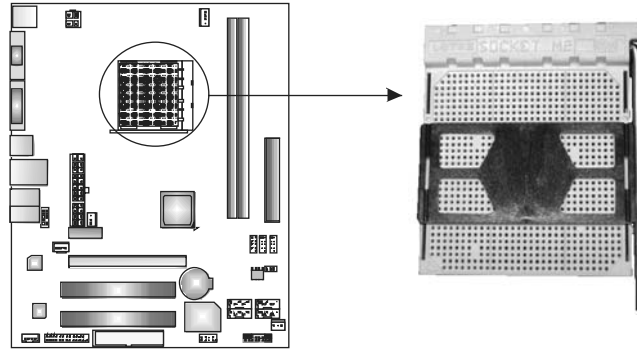
1.5 MOTHERBOARD LAYOUT



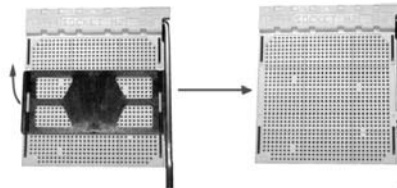
Note: ■ represents the 1st pin.

CHAPTER 2: HARDWARE INSTALLATION

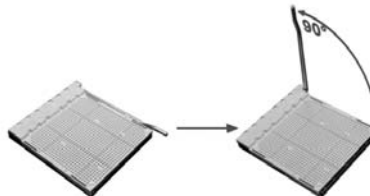
2.1 INSTALLING CENTRAL PROCESSING UNIT (CPU)



Step 1: Remove the socket protection cap.



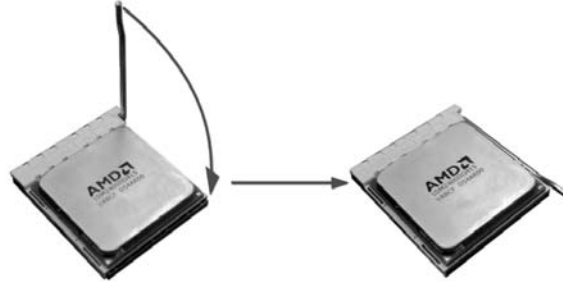
Step 2: Pull the lever toward direction A from the socket and then raise the lever up to a 90-degree angle.



Step 3: Look for the white triangle on socket, and the gold triangle on CPU should point towards this white triangle. The CPU will fit only in the correct orientation.



Step 4: Hold the CPU down firmly, and then close the lever toward direct B to complete the installation.

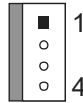
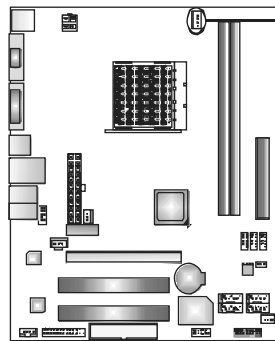


Step 5: Put the CPU Fan on the CPU and buckle it. Connect the CPU FAN power cable to the JCFAN1. This completes the installation.

2.2 FAN HEADERS

These fan headers support cooling-fans built in the computer. The fan cable and connector may be different according to the fan manufacturer. Connect the fan cable to the connector while matching the black wire to pin#1.

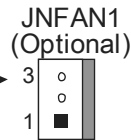
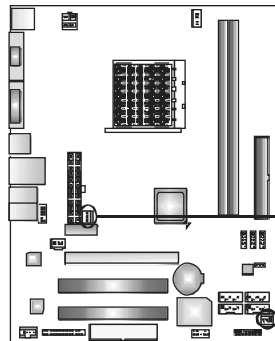
JCFAN1: CPU Fan Header



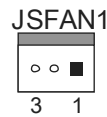
Pin	Assignment
1	Ground
2	+12V
3	FAN RPM rate sense
4	Smart Fan Control (By Fan)

JNFAN1: North Bridge Fan Header (Optional)

JSFAN1: System Fan Header



Pin	Assignment
1	Ground
2	+12V
3	FAN RPM rate sense

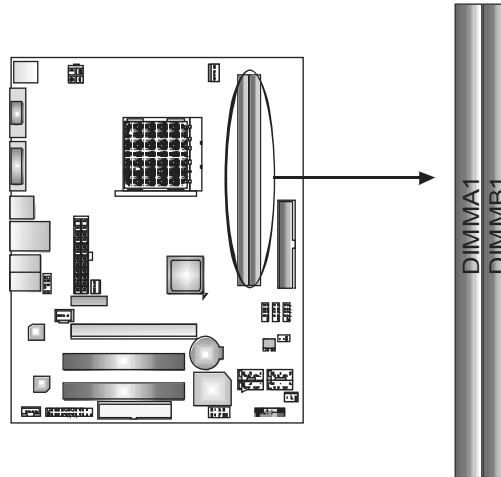


Note:

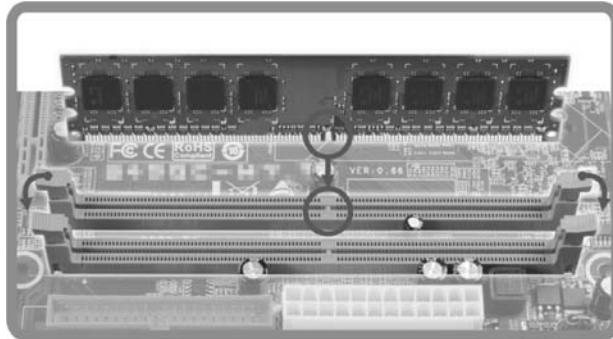
The JCFAN1 supports 4-pin head connector. The JSFAN1 and JNFAN1 support 3-pin head connectors. When connecting with wires onto connectors, please note that the red wire is the positive and should be connected to pin#2, and the black wire is Ground and should be connected to GND.

2.3 INSTALLING SYSTEM MEMORY

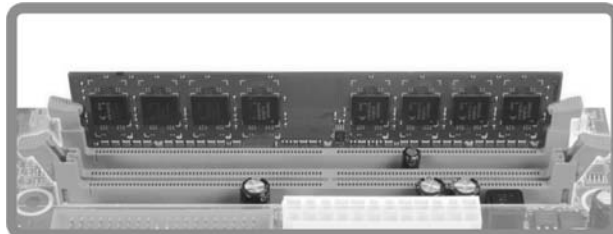
A. Memory Modules



1. Unlock a DIMM slot by pressing the retaining clips outward. Align a DIMM on the slot such that the notch on the DIMM matches the break on the Slot.



2. Insert the DIMM vertically and firmly into the slot until the retaining chip snap back in place and the DIMM is properly seated.



B. Memory Capacity

DIMM Socket Location	DDR2 Module	Total Memory Size
DIMMA1	256MB/512MB/1GB/2GB	Max is 4GB.
DIMMB1	256MB/512MB/1GB/2GB	

C. Dual Channel Memory installation

To trigger the Dual Channel function of the motherboard, the memory module must meet the following requirements:

Install memory module of the same density in pair, shown in the following table.

Dual Channel Status	DIMMA1	DIMMB1
Disabled	O	X
Disabled	X	O
Enabled	O	O

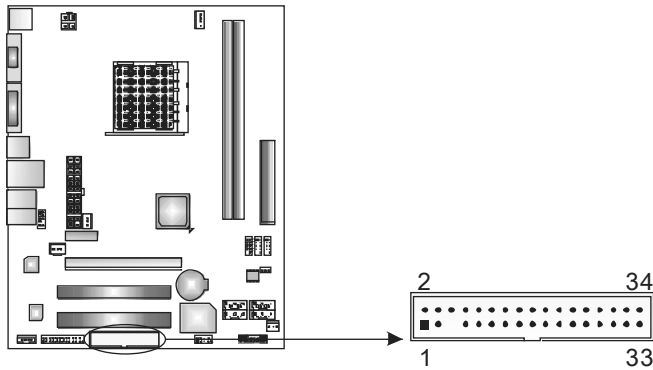
(O means memory installed, X means memory not installed.)

The DRAM bus width of the memory module must be the same (x8 or x16)

2.4 CONNECTORS AND SLOTS

FDD1: Floppy Disk Connector

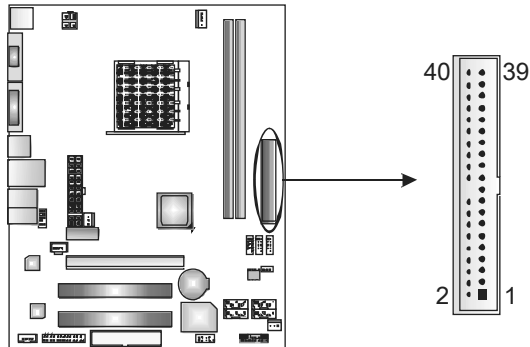
The motherboard provides a standard floppy disk connector that supports 360K, 720K, 1.2M, 1.44M and 2.88M floppy disk types. This connector supports the provided floppy drive ribbon cables.



IDE1: Hard Disk Connector

The motherboard has a 32-bit Enhanced PCI IDE Controller that provides PIO Mode 0~4, Bus Master, and Ultra DMA 33/66/100/133 functionality.

The IDE connector can connect a master and a slave drive, so you can connect up to two hard disk drives.

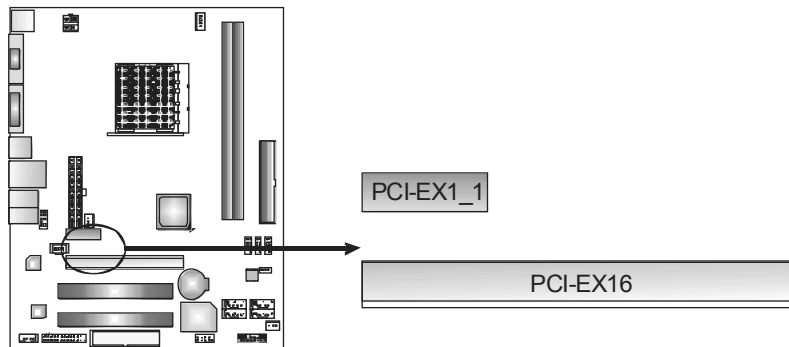


PCI-EX16: PCI-Express x16 Slot

- PCI-Express 1.0a compliant.
- Maximum theoretical realized bandwidth of 4GB/s simultaneously per direction, for an aggregate of 8GB/s totally.

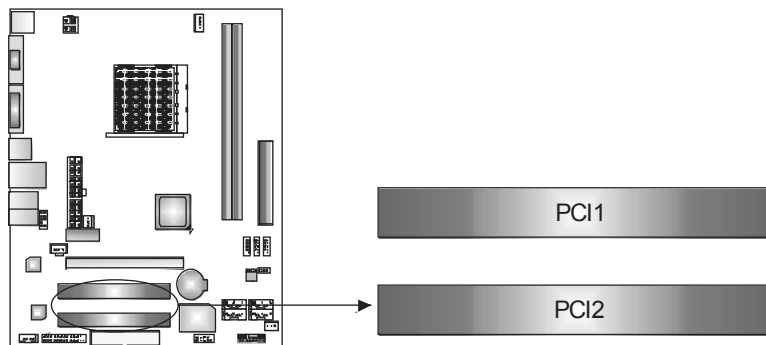
PCI-EX1_1: PCI-Express x1 Slot

- PCI-Express 1.0a compliant.
- Data transfer bandwidth up to 250MB/s per direction; 500MB/s in total.
- PCI-Express supports a raw bit-rate of 2.5GB/s on the data pins.
- 2X bandwidth over the traditional PCI architecture.



PCI1~PCI2: Peripheral Component Interconnect Slots

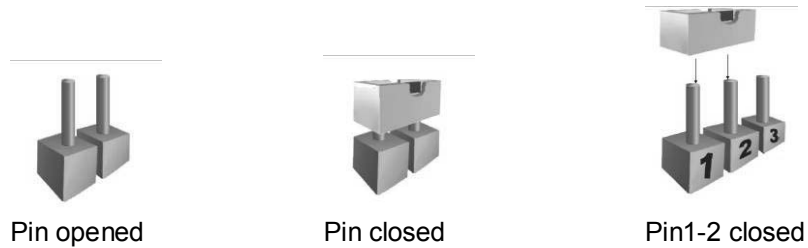
This motherboard is equipped with 2 standard PCI slots. PCI stands for Peripheral Component Interconnect, and it is a bus standard for expansion cards. This PCI slot is designated as 32 bits.



CHAPTER 3: HEADERS & JUMPERS SETUP

3.1 HOW TO SETUP JUMPERS

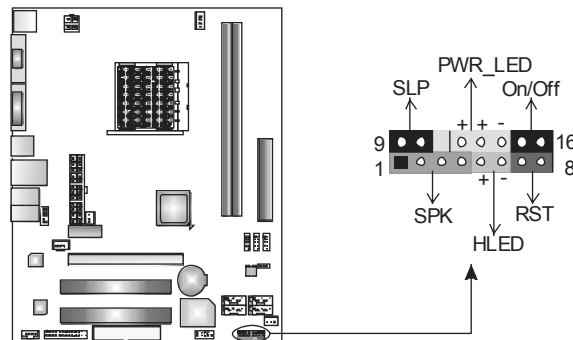
The illustration shows how to set up jumpers. When the jumper cap is placed on pins, the jumper is “close”, if not, that means the jumper is “open”.



3.2 DETAIL SETTINGS

JPANEL1: Front Panel Header

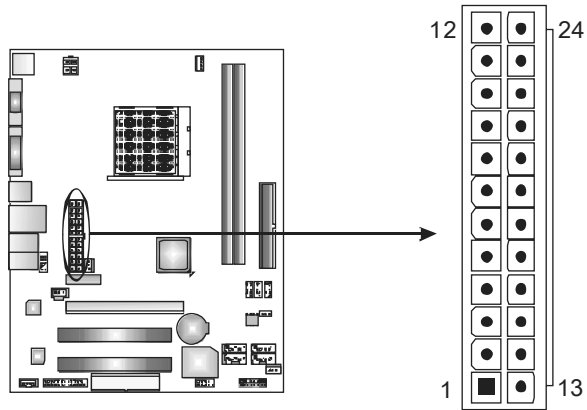
This 16-pin connector includes Power-on, Reset, HDD LED, Power LED, Sleep button and speaker connection. It allows user to connect the PC case’s front panel switch functions.



Pin	Assignment	Function	Pin	Assignment	Function
1	+5V	Speaker Connector	9	Sleep control	Sleep button
2	N/A		10	Ground	Power LED
3	N/A		11	N/A	
4	Speaker	12	Power LED (+)	Power LED	
5	HDD LED (+)	13	Power LED (+)		
6	HDD LED (-)	Hard drive LED	14	Power LED (-)	Power-on button
7	Ground		15	Power button	
8	Reset control	Reset button	16	Ground	

JATXPWR1: ATX Power Source Connector

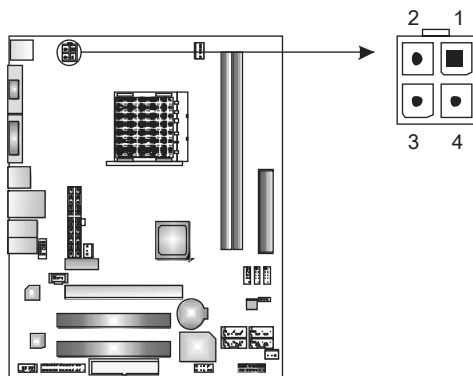
This connector allows user to connect 24-pin power connector on the ATX power supply.



Pin	Assignment	Pin	Assignment
13	+3.3V	1	+3.3V
14	-12V	2	+3.3V
15	Ground	3	Ground
16	PS_ON	4	+5V
17	Ground	5	Ground
18	Ground	6	+5V
19	Ground	7	Ground
20	NC	8	PW_OK
21	+5V	9	Standby Voltage+5V
22	+5V	10	+12V
23	+5V	11	+12V
24	Ground	12	+3.3V

JATXPWR2: ATX Power Source Connector

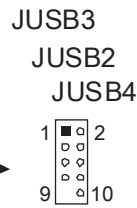
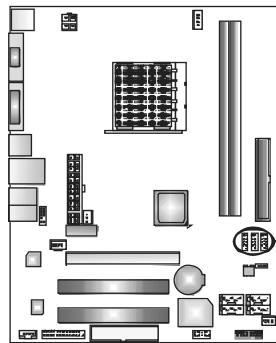
By connecting this connector, it will provide +12V to CPU power circuit.



Pin	Assignment
1	+12V
2	+12V
3	Ground
4	Ground

JUSB2/JUSB3/JUSB4: Headers for USB 2.0 Ports at Front Panel

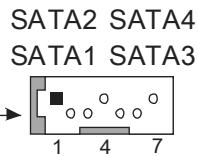
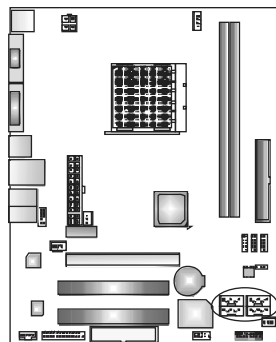
This header allows user to connect additional USB cable on the PC front panel, and also can be connected with internal USB devices, like USB card reader.



Pin	Assignment
1	+5V (fused)
2	+5V (fused)
3	USB-
4	USB-
5	USB+
6	USB+
7	Ground
8	Ground
9	Key
10	NC

SATA1~SATA4: Serial ATA Connectors

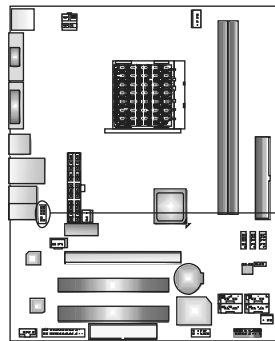
The motherboard has a PCI to SATA Controller with 4 channels SATA interface.



Pin	Assignment
1	Ground
2	TX+
3	TX-
4	Ground
5	RX-
6	RX+
7	Ground

JAUDIOF1: Front Panel Audio Header

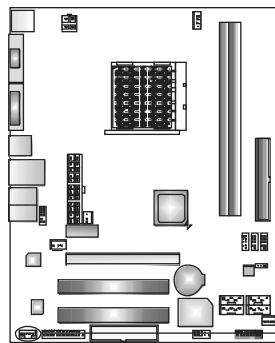
This header allows user to connect the front audio output cable with the PC front panel. This header allows only HD audio front panel connector; AC'97 connector is not acceptable.



Pin	Assignment
1	Mic Left in
2	Ground
3	Mic Right in
4	GPIO
5	Right line in
6	Jack Sense
7	Front Sense
8	Key
9	Left line in
10	Jack Sense

JCDIN1: CD-ROM Audio-in Connector

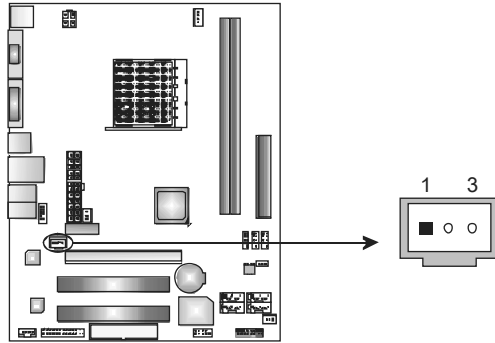
This connector allows user to connect the audio source from the variety devices, like CD-ROM, DVD-ROM, PCI sound card, PCI TV turner card etc..



Pin	Assignment
1	Left Channel Input
2	Ground
3	Ground
4	Right Channel Input

JSPDIF_OUT1: Digital Audio-out Connector

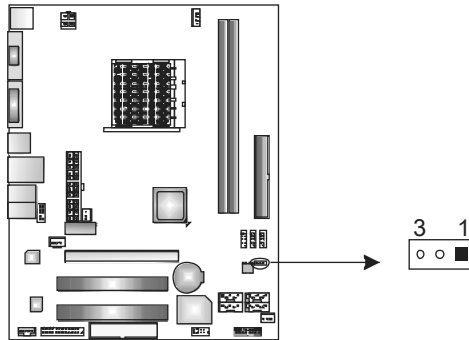
This connector allows user to connect the PCI bracket SPDIF output header.



Pin	Assignment
1	+5V
2	SPDIF_OUT
3	Ground

JCMOS1: Clear CMOS Header

By placing the jumper on pin2-3, it allows user to restore the BIOS safe setting and the CMOS data, please carefully follow the procedures to avoid damaging the motherboard.



Pin 1-2 Close:
Normal Operation
(default).



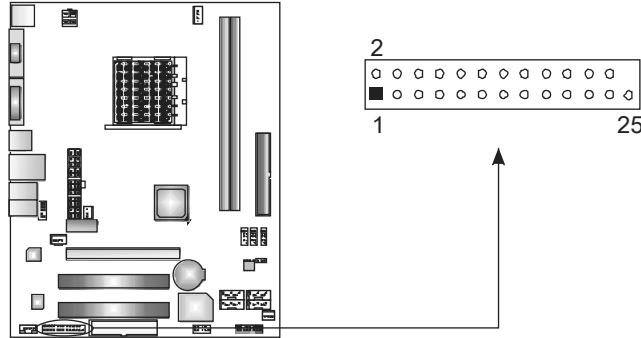
Pin 2-3 Close:
Clear CMOS data.

※ Clear CMOS Procedures:

1. Remove AC power line.
2. Set the jumper to "Pin 2-3 close".
3. Wait for five seconds.
4. Set the jumper to "Pin 1-2 close".
5. Power on the AC.
6. Reset your desired password or clear the CMOS data.

JPRNT1: Printer Port Connector

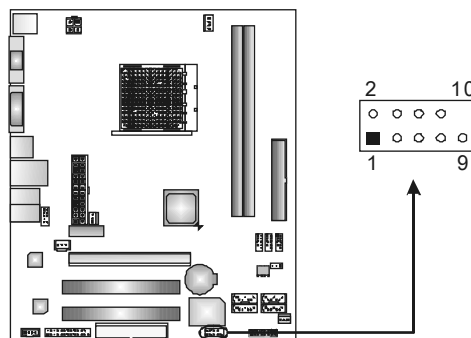
This header allows you to connector printer on the PC.



Pin	Assignment	Pin	Assignment
1	-Strobe	14	Ground
2	-ALF	15	Data 6
3	Data 0	16	Ground
4	-Error	17	Data 7
5	Data 1	18	Ground
6	-Init	19	-ACK
7	Data 2	20	Ground
8	-Scltin	21	Busy
9	Data 3	22	Ground
10	Ground	23	PE
11	Data 4	24	Ground
12	Ground	25	SCLT
13	Data 5	26	Key

JCOM1: Serial port Connector

The motherboard has a Serial Port Connector for connecting RS-232 Port.



Pin	Assignment
1	Carrier detect
2	Received data
3	Transmitted data
4	Data terminal ready
5	Signal ground
6	Data set ready
7	Request to send
8	Clear to send
9	Ring indicator
10	Key

CHAPTER 4: RAID FUNCTIONS

4.1 OPERATION SYSTEM

- Supports Windows XP Home/Professional Edition, and Windows 2000 Professional.

4.2 RAID ARRAYS

RAID supports the following types of RAID arrays:

RAID 0: RAID 0 defines a disk striping scheme that improves disk read and write times for many applications.

RAID 1: RAID 1 defines techniques for mirroring data.

RAID 0+1: RAID 0+1 combines the techniques used in RAID 0 and RAID 1.

RAID 5: RAID 5 provides fault tolerance and better utilization of disk capacity.

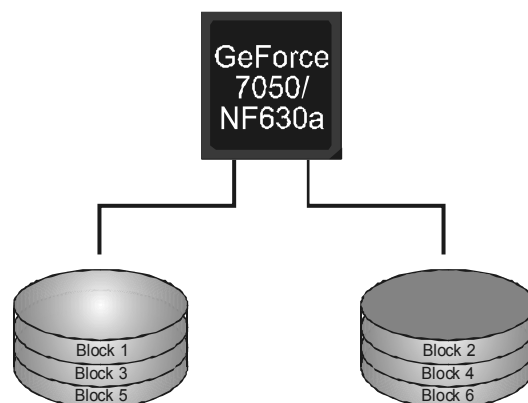
4.3 How RAID WORKS

RAID 0:

The controller “stripes” data across multiple drives in a RAID 0 array system. It breaks up a large file into smaller blocks and performs disk reads and writes across multiple drives in parallel. The size of each block is determined by the stripe size parameter, which you set during the creation of the RAID set based on the system environment. This technique reduces overall disk access time and offers high bandwidth.

Features and Benefits

- **Drives:** Minimum 1, and maximum is up to 6 or 8. Depending on the platform.
- **Uses:** Intended for non-critical data requiring high data throughput, or any environment that does not require fault tolerance.
- **Benefits:** provides increased data throughput, especially for large files. No capacity loss penalty for parity.
- **Drawbacks:** Does not deliver any fault tolerance. If any drive in the array fails, all data is lost.
- **Fault Tolerance:** No.

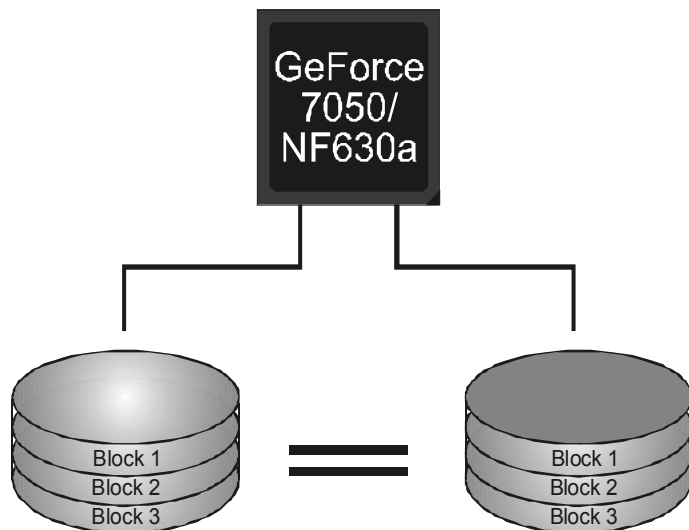


RAID 1:

Every read and write is actually carried out in parallel across 2 disk drives in a RAID 1 array system. The mirrored (backup) copy of the data can reside on the same disk or on a second redundant drive in the array. RAID 1 provides a hot-standby copy of data if the active volume or drive is corrupted or becomes unavailable because of a hardware failure. RAID techniques can be applied for high-availability solutions, or as a form of automatic backup that eliminates tedious manual backups to more expensive and less reliable media.

Features and Benefits

- **Drives:** Minimum 2, and maximum is 2.
- **Uses:** RAID 1 is ideal for small databases or any other application that requires fault tolerance and minimal capacity.
- **Benefits:** Provides 100% data redundancy. Should one drive fail, the controller switches to the other drive.
- **Drawbacks:** Requires 2 drives for the storage space of one drive. Performance is impaired during drive rebuilds.
- **Fault Tolerance:** Yes.

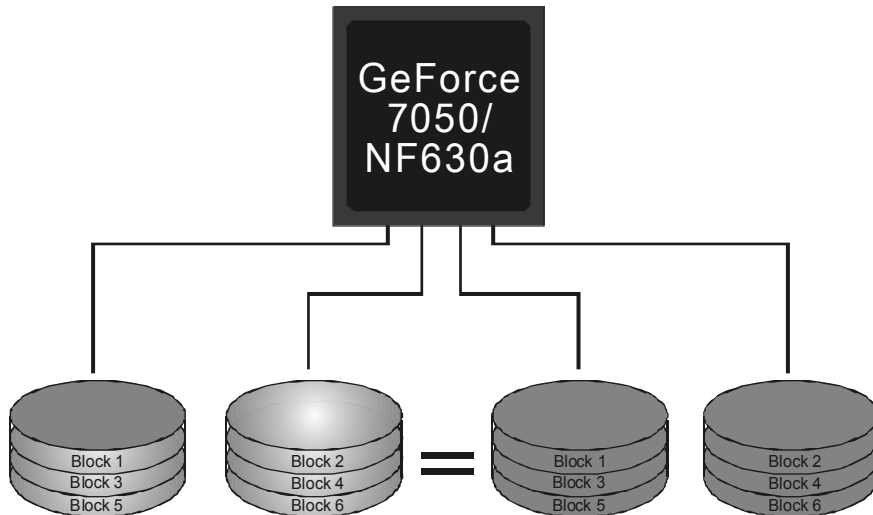


RAID 0+1:

RAID 0 drives can be mirrored using RAID 1 techniques. Resulting in a RAID 0+1 solution for improved performance plus resiliency.

Features and Benefits

- **Drives:** Minimum 4, and maximum is 6 or 8, depending on the platform.
- **Benefits:** Optimizes for both fault tolerance and performance, allowing for automatic redundancy. May be simultaneously used with other RAID levels in an array, and allows for spare disks.
- **Drawbacks:** Requires twice the available disk space for data redundancy, the same as RAID level 1.
- **Fault Tolerance:** Yes.

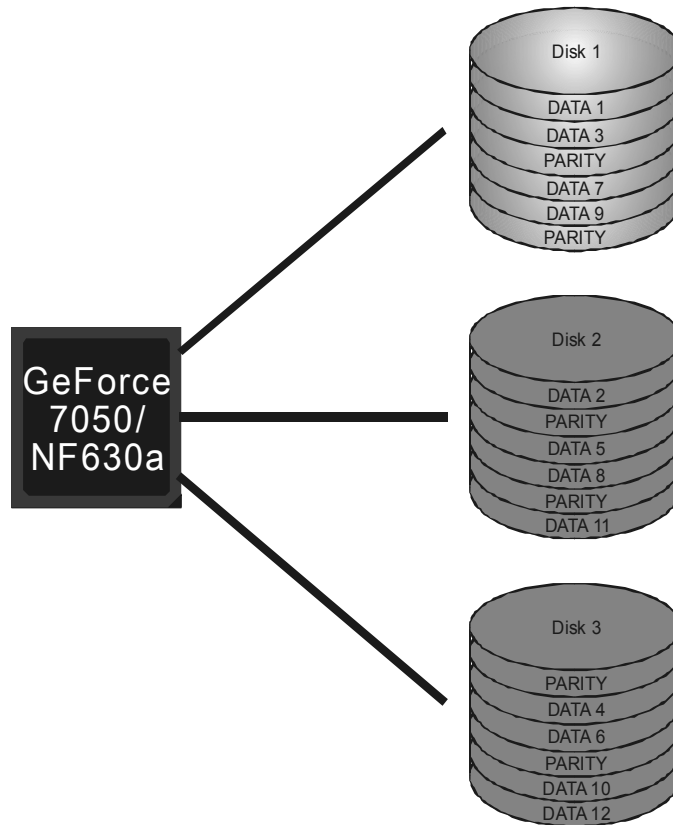


RAID 5:

RAID 5 stripes both data and parity information across three or more drives. It writes data and parity blocks across all the drives in the array. Fault tolerance is maintained by ensuring that the parity information for any given block of data is placed on a different drive from those used to store the data itself.

Features and Benefits

- **Drives:** Minimum 3.
- **Uses:** RAID 5 is recommended for transaction processing and general purpose service.
- **Benefits:** An ideal combination of good performance, good fault tolerance, and high capacity and storage efficiency.
- **Drawbacks:** Individual block data transfer rate same as a single disk. Write performance can be CPU intensive.
- **Fault Tolerance:** Yes.



※ For more detailed setup information, please refer to the Driver CD, or go to http://www.nvidia.com/object/IO_28159.html to download the NVIDIA RAID User's Guide.

CHAPTER 5: USEFUL HELP

5.1 DRIVER INSTALLATION NOTE

After you installed your operating system, please insert the Fully Setup Driver CD into your optical drive and install the driver for better system performance.

You will see the following window after you insert the CD



The setup guide will auto detect your motherboard and operating system.

Note:

If this window didn't show up after you insert the Driver CD, please use file browser to locate and execute the file **SETUP.EXE** under your optical drive.

A. Driver Installation

To install the driver, please click on the Driver icon. The setup guide will list the compatible driver for your motherboard and operating system. Click on each device driver to launch the installation program.

B. Software Installation

To install the software, please click on the Software icon. The setup guide will list the software available for your system, click on each software title to launch the installation program.

C. Manual

Aside from the paperback manual, we also provide manual in the Driver CD. Click on the Manual icon to browse for available manual.

Note:

You will need Acrobat Reader to open the manual file. Please download the latest version of Acrobat Reader software from

<http://www.adobe.com/products/acrobat/readstep2.html>

5.2 AWARD BIOS BEEP CODE

Beep Sound	Meaning
One long beep followed by two short beeps	Video card not found or video card memory bad
High-low siren sound	CPU overheated System will shut down automatically
One Short beep when system boot-up	No error found during POST
Long beeps every other second	No DRAM detected or install

5.3 EXTRA INFORMATION

CPU Overheated

If the system shutdown automatically after power on system for seconds, that means the CPU protection function has been activated.

When the CPU is over heated, the motherboard will shutdown automatically to avoid a damage of the CPU, and the system may not power on again.

In this case, please double check:

1. The CPU cooler surface is placed evenly with the CPU surface.
2. CPU fan is rotated normally.
3. CPU fan speed is fulfilling with the CPU speed.

After confirmed, please follow steps below to relief the CPU protection function.

1. Remove the power cord from power supply for seconds.
2. Wait for seconds.
3. Plug in the power cord and boot up the system.

Or you can:

1. Clear the CMOS data.
(See "Close CMOS Header: JCMOS1" section)
2. Wait for seconds.
3. Power on the system again.

5.4 TROUBLESHOOTING

Probable	Solution
1. No power to the system at all Power light don't illuminate, fan inside power supply does not turn on. 2. Indicator light on keyboard does not turn on.	1. Make sure power cable is securely plugged in. 2. Replace cable. 3. Contact technical support.
System inoperative. Keyboard lights are on, power indicator lights are lit, and hard drive is spinning.	Using even pressure on both ends of the DIMM, press down firmly until the module snaps into place.
System does not boot from hard disk drive, can be booted from optical drive.	1. Check cable running from disk to disk controller board. Make sure both ends are securely plugged in; check the drive type in the standard CMOS setup. 2. Backing up the hard drive is extremely important. All hard disks are capable of breaking down at any time.
System only boots from optical drive. Hard disk can be read and applications can be used but booting from hard disk is impossible.	1. Back up data and applications files. 2. Reformat the hard drive. Re-install applications and data using backup disks.
Screen message says "Invalid Configuration" or "CMOS Failure."	Review system's equipment. Make sure correct information is in setup.
Cannot boot system after installing second hard drive.	1. Set master/slave jumpers correctly. 2. Run SETUP program and select correct drive types. Call the drive manufacturers for compatibility with other drives.

APPENDENCIES: SPEC IN OTHER LANGUAGE

GERMAN

	Ver 5.x	Ver 6.x
CPU	<p>Socket AM2</p> <p>AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron Prozessoren</p> <p>Die AMD 64-Architektur unterstützt eine 32-Bit- und 64-Bit-Datenverarbeitung</p> <p>Unterstützt Hyper Transport und Cool'n'Quiet</p>	<p>Socket AM2</p> <p>AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2/ Sempron Prozessoren</p> <p>Die AMD 64-Architektur unterstützt eine 32-Bit- und 64-Bit-Datenverarbeitung</p> <p>Unterstützt Hyper Transport und Cool'n'Quiet</p>
FSB	Unterstützt HyperTransport mit einer Bandbreite von bis zu 1 GHz	Unterstützt HyperTransport mit einer Bandbreite von bis zu 1 GHz
Chipsatz	GeForce 7050/NF630a	GeForce 7050/NF630a
Super E/A	<p>ITE 8716F</p> <p>Bietet die häufig verwendeten alten Super E/A-Funktionen.</p> <p>Low Pin Count-Schnittstelle</p> <p>Umgebungskontrolle,</p> <p>Hardware-Überwachung</p> <p>Lüfterdrehzahl-Controller</p> <p>"Smart Guardian"-Funktion von ITE</p>	<p>ITE 8716F</p> <p>Bietet die häufig verwendeten alten Super E/A-Funktionen.</p> <p>Low Pin Count-Schnittstelle</p> <p>Umgebungskontrolle,</p> <p>Hardware-Überwachung</p> <p>Lüfterdrehzahl-Controller</p> <p>"Smart Guardian"-Funktion von ITE</p>
Arbeitsspeicher	<p>DDR2 DIMM-Steckplätze x 2</p> <p>Max. 4GB Arbeitsspeicher</p> <p>Jeder DIMM unterstützt 256MB/512MB/1GB/ 2GB DDR2.</p> <p>Dual-Kanal DDR2 Speichermodul</p> <p>Unterstützt DDR2 533 / 667 / 800 registrierte DIMMs. ECC DIMMs werden nicht unterstützt.</p>	<p>DDR2 DIMM-Steckplätze x 2</p> <p>Max. 4GB Arbeitsspeicher</p> <p>Jeder DIMM unterstützt 256MB/512MB/1GB/ 2GB DDR2.</p> <p>Dual-Kanal DDR2 Speichermodul</p> <p>Unterstützt DDR2 533 / 667 / 800 registrierte DIMMs. ECC DIMMs werden nicht unterstützt.</p>
Grafik	<p>Integrierter GeForce 7050/NF630a-Chipsatz</p> <p>Max. 512MB gemeinsam benutzter Videospeicher</p>	<p>Integrierter GeForce 7050/NF630a-Chipsatz</p> <p>Max. 512MB gemeinsam benutzter Videospeicher</p>
IDE	<p>Integrierter IDE-Controller</p> <p>Ultra DMA 33 / 66 / 100 / 133 Bus</p> <p>Master-Modus</p> <p>Unterstützt PIO-Modus 0~4,</p>	<p>Integrierter IDE-Controller</p> <p>Ultra DMA 33 / 66 / 100 / 133 Bus</p> <p>Master-Modus</p> <p>Unterstützt PIO-Modus 0~4,</p>
SATA II	<p>Integrierter Serial ATA-Controller</p> <p>Datentransferrate bis zu 3Gb/s</p> <p>Konform mit der SATA-Spezifikation Version 2.0.</p>	<p>Integrierter Serial ATA-Controller</p> <p>Datentransferrate bis zu 3Gb/s</p> <p>Konform mit der SATA-Spezifikation Version 2.0.</p>
LAN	<p>Realtek RTL 8201N / 8211B (optional)</p> <p>10 / 100 / 1000 Mb/s Auto-Negotiation (Gigabit-Bandbreite nur beim RTL 8211B)</p> <p>Halb-/ Vollduplex-Funktion</p>	<p>Realtek RTL 8201N / 8211B (optional)</p> <p>10 / 100 / 1000 Mb/s Auto-Negotiation (Gigabit-Bandbreite nur beim RTL 8211B)</p> <p>Halb-/ Vollduplex-Funktion</p>

	Ver 5.x	Ver 6.x
Audio-Codec	ALC888 7.1-Kanal-Audioausgabe Unterstützt High-Definition Audio	ALC662 5.1-Kanal-Audioausgabe Unterstützt High-Definition Audio
Steckplätze	PCI-Steckplatz x2 PCI Express x16 Steckplatz x1 PCI Express x 1-Steckplatz x1	PCI-Steckplatz x2 PCI Express x16 Steckplatz x1 PCI Express x 1-Steckplatz x1
Onboard-Anschluss	Diskettenlaufwerkanschluss x1 Druckeranschluss Anschluss x1 IDE-Anschluss x1 SATA-Anschluss x4 Fronttafelanschluss x1 Front-Audioanschluss x1 CD-IN-Anschluss x1 S/PDIF- Ausgangsanschluss x1 CPU-Lüfter-Sockel x1 System-Lüfter-Sockel x1 "CMOS löschen"-Sockel x1 USB-Anschluss x3 Serieller Anschluss x1 Stromanschluss (24-polig) x1 Stromanschluss (4-polig) x1	Diskettenlaufwerkanschluss x1 Druckeranschluss Anschluss x1 IDE-Anschluss x1 SATA-Anschluss x4 Fronttafelanschluss x1 Front-Audioanschluss x1 CD-IN-Anschluss x1 S/PDIF- Ausgangsanschluss x1 CPU-Lüfter-Sockel x1 System-Lüfter-Sockel x1 "CMOS löschen"-Sockel x1 USB-Anschluss x3 Serieller Anschluss x1 Stromanschluss (24-polig) x1 Stromanschluss (4-polig) x1
Rückseiten-E/A	PS/2-Tastatur x1 PS/2-Maus x1 VGA-Anschluss x1 DVI-D-Anschluss x1 LAN-Anschluss x1 USB-Anschluss x4 Audioanschluss x6	PS/2-Tastatur x1 PS/2-Maus x1 VGA-Anschluss x1 DVI-D-Anschluss x1 LAN-Anschluss x1 USB-Anschluss x4 Audioanschluss x3
Platinengröße	208 mm (B) X 244 mm (L)	208 mm (B) X 244 mm (L)
Sonderfunktionen	Unterstützt RAID 0 / 1 / 5 / 0+1	Unterstützt RAID 0 / 1 / 5 / 0+1
OS-Unterstützung	Windows 2000 / XP / VISTA Biostar behält sich das Recht vor, ohne Ankündigung die Unterstützung für ein Betriebssystem hinzuzufügen oder zu entfernen.	Windows 2000 / XP / VISTA Biostar behält sich das Recht vor, ohne Ankündigung die Unterstützung für ein Betriebssystem hinzuzufügen oder zu entfernen.

FRANCE

	Ver 5.x	Ver 6.x
UC	Socket AM2 Processeurs AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron L'architecture AMD 64 permet le calcul 32 et 64 bits Prend en charge Hyper Transport et Cool'n'Quiet	Socket AM2 Processeurs AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron L'architecture AMD 64 permet le calcul 32 et 64 bits Prend en charge Hyper Transport et Cool'n'Quiet
Bus frontal	Prend en charge Hyper Transport jusqu'à une bande passante de 1 GHz	Prend en charge Hyper Transport jusqu'à une bande passante de 1 GHz
Chipset	GeForce 7050/NF630a	GeForce 7050/NF630a
Super E/S	ITE 8716F Fournit la fonctionnalité de Super E/S patrimoniales la plus utilisée. Interface à faible compte de broches Initiatives de contrôle environnementales, Moniteur de matériel Contrôleur de vitesse de ventilateur Fonction "Gardien intelligent" de l'ITE	ITE 8716F Fournit la fonctionnalité de Super E/S patrimoniales la plus utilisée. Interface à faible compte de broches Initiatives de contrôle environnementales, Moniteur de matériel Contrôleur de vitesse de ventilateur Fonction "Gardien intelligent" de l'ITE
Mémoire principale	Fentes DDR2 DIMM x 2 Capacité mémoire maximale de 4 Go Chaque DIMM prend en charge des DDR2 de 256 Mo/512 Mo et 1Go/2Go Module de mémoire DDR2 à mode à double voie Prend en charge la DDR2 533 / 667 / 800 Les DIMM à registres et DIMM avec code correcteurs d'erreurs ne sont pas prises en charge	Fentes DDR2 DIMM x 2 Capacité mémoire maximale de 4 Go Chaque DIMM prend en charge des DDR2 de 256 Mo/512 Mo et 1Go/2Go Module de mémoire DDR2 à mode à double voie Prend en charge la DDR2 533 / 667 / 800 Les DIMM à registres et DIMM avec code correcteurs d'erreurs ne sont pas prises en charge
Graphiques	Intégré dans la chipset GeForce 7050/NF630a Mémoire vidéo partagée maximale de 512 Mo	Intégré dans la chipset GeForce 7050/NF630a Mémoire vidéo partagée maximale de 512 Mo
IDE	Contrôleur IDE intégré Mode principale de Bus Ultra DMA 33 / 66 / 100 / 133 Prend en charge le mode PIO 0~4,	Contrôleur IDE intégré Mode principale de Bus Ultra DMA 33 / 66 / 100 / 133 Prend en charge le mode PIO 0~4,
SATA II	Contrôleur Serial ATA intégré : Taux de transfert jusqu'à 3 Go/s. Conforme à la spécification SATA Version 2.0	Contrôleur Serial ATA intégré : Taux de transfert jusqu'à 3 Go/s. Conforme à la spécification SATA Version 2.0
LAN	Realtek RTL 8201N / 8211B (optional) 10 / 100 / 1000 Mb/s négociation automatique (La bande passante Gigabit est pour le RTL 8211B uniquement) Half / Full duplex capability	Realtek RTL 8201N / 8211B (optional) 10 / 100 / 1000 Mb/s négociation automatique (La bande passante Gigabit est pour le RTL 8211B uniquement) Half / Full duplex capability

		Ver 5.x	Ver 6.x
Codec audio	ALC888	Sortie audio à 7.1 voies Prise en charge de l'audio haute definition	ALC662 Sortie audio à 5.1 voies Prise en charge de l'audio haute definition
Fentes	Fente PCI	x2	Fente PCI x2
	Slot PCI Express x16	x1	Slot PCI Express x16 x1
	Slot PCI Express x 1	x1	Slot PCI Express x 1 x1
Connecteur embarqué	Connecteur de disquette	x1	Connecteur de disquette x1
	Connecteur de Port d'imprimante	x1	Connecteur de Port d'imprimante x1
	Connecteur IDE	x1	Connecteur IDE x1
	Connecteur SATA	x4	Connecteur SATA x4
	Connecteur du panneau avant	x1	Connecteur du panneau avant x1
	Connecteur Audio du panneau avant	x1	Connecteur Audio du panneau avant x1
	Connecteur d'entrée CD	x1	Connecteur d'entrée CD x1
	Connecteur de sortie S/PDIF	x1	Connecteur de sortie S/PDIF x1
	Embase de ventilateur UC	x1	Embase de ventilateur UC x1
	Embase de ventilateur système	x1	Embase de ventilateur système x1
	Embase d'effacement CMOS	x1	Embase d'effacement CMOS x1
	Connecteur USB	x3	Connecteur USB x3
	Connecteur de Port série	x1	Connecteur de Port série x1
	Connecteur d'alimentation (24 broches)	x1	Connecteur d'alimentation (24 broches) x1
Connecteur d'alimentation (4 broches)	x1	Connecteur d'alimentation (4 broches) x1	
E/S du panneau arrière	Clavier PS/2	x1	Clavier PS/2 x1
	Souris PS/2	x1	Souris PS/2 x1
	Port VGA	x1	Port VGA x1
	Port DVI-D	x1	Port DVI-D x1
	Port LAN	x1	Port LAN x1
	Port USB	x4	Port USB x4
Fiche audio	x6	Fiche audio x3	
Dimensions de la carte	208 mm (l) X 244 mm (H)	208 mm (l) X 244 mm (H)	208 mm (l) X 244 mm (H)
Fonctionnalités spéciales	Prise en charge RAID 0 / 1 / 5 / 0+1	Prise en charge RAID 0 / 1 / 5 / 0+1	Prise en charge RAID 0 / 1 / 5 / 0+1
Support SE	Windows 2000 / XP / VISTA Biostar se réserve le droit d'ajouter ou de supprimer le support de SE avec ou sans préavis.	Windows 2000 / XP / VISTA Biostar se réserve le droit d'ajouter ou de supprimer le support de SE avec ou sans préavis.	Windows 2000 / XP / VISTA Biostar se réserve le droit d'ajouter ou de supprimer le support de SE avec ou sans préavis.

ITALIAN

	Ver 5.x	Ver 6.x
CPU	Socket AM2 Processori AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron L'architettura AMD 64 abilita la computazione 32 e 64 bit Supporto di Hyper Transport e Cool'n'Quiet	Socket AM2 Processori AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2/ Sempron L'architettura AMD 64 abilita la computazione 32 e 64 bit Supporto di Hyper Transport e Cool'n'Quiet
FSB	Supporto di HyperTransport fino a 1 GHz di larghezza di banda	Supporto di HyperTransport fino a 1 GHz di larghezza di banda
Chipset	GeForce 7050/NF630a	GeForce 7050/NF630a
Super I/O	ITE 8716F Fornisce le funzionalità legacy Super I/O usate più comunemente. Interfaccia LPC (Low Pin Count) Funzioni di controllo dell'ambiente: Monitoraggio hardware Controller velocità ventolina Funzione "Smart Guardian" di ITE	ITE 8716F Fornisce le funzionalità legacy Super I/O usate più comunemente. Interfaccia LPC (Low Pin Count) Funzioni di controllo dell'ambiente: Monitoraggio hardware Controller velocità ventolina Funzione "Smart Guardian" di ITE
Memoria principale	Alloggi DIMM DDR2 x 2 Capacità massima della memoria 4GB Ciascun DIMM supporta DDR2 256MB/ 512MB e 1GB/2GB Modulo di memoria DDR2 a canale doppio Supporto di DDR2 533 / 667 / 800 DIMM registrati e DIMM ECC non sono supportati	Alloggi DIMM DDR2 x 2 Capacità massima della memoria 4GB Ciascun DIMM supporta DDR2 256MB/ 512MB e 1GB/2GB Modulo di memoria DDR2 a canale doppio Supporto di DDR2 533 / 667 / 800 DIMM registrati e DIMM ECC non sono supportati
Grafica	Integrata nel Chipset GeForce 7050/NF630a La memoria video condivisa massima è di 512MB	Integrata nel Chipset GeForce 7050/NF630a La memoria video condivisa massima è di 512MB
IDE	Controller IDE integrato Modalità Bus Master Ultra DMA 33 / 66 / 100 / 133 Supporto modalità PIO Mode 0-4	Controller IDE integrato Modalità Bus Master Ultra DMA 33 / 66 / 100 / 133 Supporto modalità PIO Mode 0-4
SATA II	Controller Serial ATA integrato Velocità di trasferimento dei dati fino a 3 Gb/s. Compatibile specifiche SATA Versione 2.0.	Controller Serial ATA integrato Velocità di trasferimento dei dati fino a 3 Gb/s. Compatibile specifiche SATA Versione 2.0.
LAN	Realtek RTL 8201N / 8211B (optional) Negoziazione automatica 10 / 100 / 1000 Mb/s (la larghezza di banda Gigabit è solo per RTL 8211B) Capacità Half / Full Duplex	Realtek RTL 8201N / 8211B (optional) Negoziazione automatica 10 / 100 / 1000 Mb/s (la larghezza di banda Gigabit è solo per RTL 8211B) Capacità Half / Full Duplex

	Ver 5.x	Ver 6.x
Codec audio	ALC888 Uscita audio 7.1 canali Supporto audio High-Definition (HD)	ALC662 Uscita audio 5.1 canali Supporto audio High-Definition (HD)
Alloggi	Alloggio PCI x2 Alloggio PCI Express x16 x1 Alloggio PCI Express x1 x1	Alloggio PCI x2 Alloggio PCI Express x16 x1 Alloggio PCI Express x1 x1
Connettori su scheda	Connettore floppy x1 Connettore Porta stampante x1 Connettore IDE x1 Connettore SATA x4 Connettore pannello frontale x1 Connettore audio frontale x1 Connettore CD-in x1 Connettore output SPDIF x1 Collettore ventolina CPU x1 Collettore ventolina sistema x1 Collettore cancellazione CMOS x1 Connettore USB x3 Connettore Porta seriale x1 Connettore alimentazione (24 pin) x1 Connettore alimentazione (4 pin) x1	Connettore floppy x1 Connettore Porta stampante x1 Connettore IDE x1 Connettore SATA x4 Connettore pannello frontale x1 Connettore audio frontale x1 Connettore CD-in x1 Connettore output SPDIF x1 Collettore ventolina CPU x1 Collettore ventolina sistema x1 Collettore cancellazione CMOS x1 Connettore USB x3 Connettore Porta seriale x1 Connettore alimentazione (24 pin) x1 Connettore alimentazione (4 pin) x1
I/O pannello posteriore	Tastiera PS/2 x1 Mouse PS/2 x1 Porta VGA x1 Porta DVI-D x1 Porta LAN x1 Porta USB x4 Connettore audio x6	Tastiera PS/2 x1 Mouse PS/2 x1 Porta VGA x1 Porta DVI-D x1 Porta LAN x1 Porta USB x4 Connettore audio x3
Dimensioni scheda	208 mm (larghezza) x 244 mm (altezza)	208 mm (larghezza) x 244 mm (altezza)
Caratteristiche speciali	Supporto RAID 0 / 1 / 5 / 0+1	Supporto RAID 0 / 1 / 5 / 0+1
Sistemi operativi supportati	Windows 2000 / XP / VISTA Biostar si riserva il diritto di aggiungere o rimuovere il supporto di qualsiasi sistema operativo senza preavviso.	Windows 2000 / XP / VISTA Biostar si riserva il diritto di aggiungere o rimuovere il supporto di qualsiasi sistema operativo senza preavviso.

SPANISH

	Ver 5.x	Ver 6.x
CPU	<p>Conector AM2</p> <p>Procesadores AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron</p> <p>La arquitectura AMD 64 permite el procesado de 32 y 64 bits</p> <p>Soporta las tecnologías Hyper Transport y Cool'n'Quiet</p>	<p>Conector AM2</p> <p>Procesadores AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2/ Sempron</p> <p>La arquitectura AMD 64 permite el procesado de 32 y 64 bits</p> <p>Soporta las tecnologías Hyper Transport y Cool'n'Quiet</p>
FSB	Admite HyperTransport con un ancho de banda de hasta 1 GHz	Admite HyperTransport con un ancho de banda de hasta 1 GHz
Conjunto de chips	GeForce 7050/NF630a	GeForce 7050/NF630a
Súper E/S	<p>ITE 8716F</p> <p>Le ofrece las funcionalidades heredadas de uso más común Súper E/S.</p> <p>Interfaz de cuenta Low Pin</p> <p>Iniciativas de control de entorno, Monitor hardware</p> <p>Controlador de velocidad de ventilador</p> <p>Función "Guardia inteligente" de ITE</p>	<p>ITE 8716F</p> <p>Le ofrece las funcionalidades heredadas de uso más común Súper E/S.</p> <p>Interfaz de cuenta Low Pin</p> <p>Iniciativas de control de entorno, Monitor hardware</p> <p>Controlador de velocidad de ventilador</p> <p>Función "Guardia inteligente" de ITE</p>
Memoria principal	<p>Ranuras DIMM DDR2 x 2</p> <p>Capacidad máxima de memoria de 4GB</p> <p>Cada DIMM admite DDR de 256MB/512MB y 1GB/2GB</p> <p>Módulo de memoria DDR2 de canal Doble</p> <p>Admite DDR2 de 533 / 667 / 800</p> <p>No admite DIMM registrados o DIMM compatibles con ECC</p>	<p>Ranuras DIMM DDR2 x 2</p> <p>Capacidad máxima de memoria de 4GB</p> <p>Cada DIMM admite DDR de 256MB/512MB y 1GB/2GB</p> <p>Módulo de memoria DDR2 de canal Doble</p> <p>Admite DDR2 de 533 / 667 / 800</p> <p>No admite DIMM registrados o DIMM compatibles con ECC</p>
Gráficos	<p>Integrados en el conjunto de chips GeForce 7050/NF630a</p> <p>Memoria máxima de vídeo compartida de 512MB</p>	<p>Integrados en el conjunto de chips GeForce 7050/NF630a</p> <p>Memoria máxima de vídeo compartida de 512MB</p>
IDE	<p>Controlador IDE integrado</p> <p>Modo bus maestro Ultra DMA 33 / 66 / 100 / 133</p> <p>Soporte los Modos PIO 0~4,</p>	<p>Controlador IDE integrado</p> <p>Modo bus maestro Ultra DMA 33 / 66 / 100 / 133</p> <p>Soporte los Modos PIO 0~4,</p>
SATA II	<p>Controlador ATA Serie Integrado</p> <p>Tasas de transferencia de hasta 3 Gb/s.</p> <p>Compatible con la versión SATA 2.0.</p>	<p>Controlador ATA Serie Integrado</p> <p>Tasas de transferencia de hasta 3 Gb/s.</p> <p>Compatible con la versión SATA 2.0.</p>
Red Local	<p>Realtek RTL 8201N / 8211B (opcional)</p> <p>Negociación de 10 / 100 / 1000 Mb/s (el ancho de banda Gigabit es únicamente para RTL 8211B)</p> <p>Funciones Half / Full dúplex</p>	<p>Realtek RTL 8201N / 8211B (opcional)</p> <p>Negociación de 10 / 100 / 1000 Mb/s (el ancho de banda Gigabit es únicamente para RTL 8211B)</p> <p>Funciones Half / Full dúplex</p>

		Ver 5.x		Ver 6.x		
Códex de sonido	ALC888			ALC662		
	Salida de sonido de 7.1 canales Soporte de sonido Alta Definición			Salida de sonido de 5.1 canales Soporte de sonido Alta Definición		
Ranuras	Ranura PCI	X2		Ranura PCI	X2	
	Ranura PCI Express x16	X1		Ranura PCI Express x16	X1	
	Ranura PCI express x 1	X1		Ranura PCI express x 1	X1	
Conectores en placa	Conector disco flexible	X1		Conector disco flexible	X1	
	Conector Puerto de impresora	X1		Conector Puerto de impresora	X1	
	Conector IDE	X1		Conector IDE	X1	
	Conector SATA	X4		Conector SATA	X4	
	Conector de panel frontal	X1		Conector de panel frontal	X1	
	Conector de sonido frontal	X1		Conector de sonido frontal	X1	
	Conector de entrada de CD	X1		Conector de entrada de CD	X1	
	Conector de salida S/PDIF	X1		Conector de salida S/PDIF	X1	
	Cabecera de ventilador de CPU	X1		Cabecera de ventilador de CPU	X1	
	Cabecera de ventilador de sistema	X1		Cabecera de ventilador de sistema	X1	
	Cabecera de borrado de CMOS	X1		Cabecera de borrado de CMOS	X1	
	Conector USB	X3		Conector USB	X3	
	Conector Puerto serie	X1		Conector Puerto serie	X1	
	Conector de alimentación (24 patillas)	X1		Conector de alimentación (24 patillas)	X1	
	Conector de alimentación (4 patillas)	X1		Conector de alimentación (4 patillas)	X1	
Panel trasero de E/S	Teclado PS/2	X1		Teclado PS/2	X1	
	Ratón PS/2	X1		Ratón PS/2	X1	
	Puerto VGA	X1		Puerto VGA	X1	
	Puerto DVI-D	X1		Puerto DVI-D	X1	
	Puerto de red local	X1		Puerto de red local	X1	
	Puerto USB	X4		Puerto USB	X4	
	Conector de sonido	X6		Conector de sonido	X3	
Tamaño de la placa	208 mm. (A) X 244 Mm. (H)				208 mm. (A) X 244 Mm. (H)	
Funciones especiales	Admite RAID 0 / 1 / 5 / 0+1				Admite RAID 0 / 1 / 5 / 0+1	
Soporte de sistema operativo	Windows 2000 / XP / VISTA Biostar se reserva el derecho de añadir o retirar el soporte de cualquier SO con o sin aviso previo.				Windows 2000 / XP / VISTA Biostar se reserva el derecho de añadir o retirar el soporte de cualquier SO con o sin aviso previo.	

PORTUGUESE

	Ver 5.x	Ver 6.x
CPU	Socket AM2 Processadores AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron A arquitectura AMD 64 permite uma computação de 32 e 64 bits Suporta as tecnologias Hyper Transport e Cool'n'Quiet	Socket AM2 Processadores AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron A arquitectura AMD 64 permite uma computação de 32 e 64 bits Suporta as tecnologias Hyper Transport e Cool'n'Quiet
FSB	Suporta a tecnologia HyperTransport com uma largura de banda até 1 GHz	Suporta a tecnologia HyperTransport com uma largura de banda até 1 GHz
Chipset	GeForce 7050/NF630a	GeForce 7050/NF630a
Especificação do Super I/O	ITE 8716F Proporciona as funcionalidades mais utilizadas em termos da especificação Super I/O. Interface LPC (Low Pin Count). Iniciativas para controlo do ambiente Monitorização do hardware Controlador da velocidade da ventoinha Função "Smart Guardian" da ITE	ITE 8716F Proporciona as funcionalidades mais utilizadas em termos da especificação Super I/O. Interface LPC (Low Pin Count). Iniciativas para controlo do ambiente Monitorização do hardware Controlador da velocidade da ventoinha Função "Smart Guardian" da ITE
Memória principal	Ranuras DIMM DDR2 x 2 Capacidade máxima de memória: 4 GB Cada módulo DIMM suporta uma memória DDR2 de 256 MB/512 MB & 1 GB/2 GB Módulo de memória DDR2 de canal duplo Suporta módulos DDR2 533 / 667 / 800 Os módulos DIMM registados e os DIMM ECC não são suportados	Ranuras DIMM DDR2 x 2 Capacidade máxima de memória: 4 GB Cada módulo DIMM suporta uma memória DDR2 de 256 MB/512 MB & 1 GB/2 GB Módulo de memória DDR2 de canal duplo Suporta módulos DDR2 533 / 667 / 800 Os módulos DIMM registados e os DIMM ECC não são suportados
Placa gráfica	Integrada no chipset GeForce 7050/NF630a Memória de vídeo máxima partilhada: 512 MB	Integrada no chipset GeForce 7050/NF630a Memória de vídeo máxima partilhada: 512 MB
IDE	Controlador IDE integrado Modo Bus master Ultra DMA 33 / 66 / 100 / 133 Suporta o modo PIO 0~4,	Controlador IDE integrado Modo Bus master Ultra DMA 33 / 66 / 100 / 133 Suporta o modo PIO 0~4,
SATA II	Controlador Serial ATA integrado Velocidades de transmissão de dados até 3 Gb/s. Compatibilidade com a especificação SATA versão 2.0.	Controlador Serial ATA integrado Velocidades de transmissão de dados até 3 Gb/s. Compatibilidade com a especificação SATA versão 2.0.
LAN	Realtek RTL 8201N / 8211B (opcional) Auto negociação de 10 / 100 / 1000 Mb/s (a largura de banda Gigabit refere-se apenas à especificação RTL 8211B) Capacidade semi/full-duplex	Realtek RTL 8201N / 8211B (opcional) Auto negociação de 10 / 100 / 1000 Mb/s (a largura de banda Gigabit refere-se apenas à especificação RTL 8211B) Capacidade semi/full-duplex

		Ver 5.x	Ver 6.x
Codec de som	ALC888	Saída de áudio de 7.1 canais Suporta a especificação High-Definition Audio	ALC662 Saída de áudio de 5.1 canais Suporta a especificação High-Definition Audio
Ranhuras	Ranhura PCI	x2	Ranhura PCI x2
	Ranhura PCI Express x16	x1	Ranhura PCI Express x16 x1
	Ranhura PCI Express x 1	x1	Ranhura PCI Express x 1 x1
Conectores na placa	Conector da unidade de disquetes	x1	Conector da unidade de disquetes x1
	Conector da para impressora	x1	Conector da para impressora x1
	Conector IDE	x1	Conector IDE x1
	Conector SATA	x4	Conector SATA x4
	Conector do painel frontal	x1	Conector do painel frontal x1
	Conector de áudio frontal	x1	Conector de áudio frontal x1
	Conector para entrada de CDs	x1	Conector para entrada de CDs x1
	Conector de saída S/PDIF	x1	Conector de saída S/PDIF x1
	Conector da ventoinha da CPU	x1	Conector da ventoinha da CPU x1
	Conector da ventoinha do sistema	x1	Conector da ventoinha do sistema x1
	Conector para limpeza do CMOS	x1	Conector para limpeza do CMOS x1
	Conector USB	x3	Conector USB x3
	Conector da Porta série	x1	Conector da Porta série x1
	Conector de alimentação (24 pinos)	x1	Conector de alimentação (24 pinos) x1
Conector de alimentação (4 pinos)	x1	Conector de alimentação (4 pinos) x1	
Entradas/Saídas no painel traseiro	Teclado PS/2	x1	Teclado PS/2 x1
	Rato PS/2	x1	Rato PS/2 x1
	Porta VGA	x1	Porta VGA x1
	Porta DVI-D	x1	Porta DVI-D x1
	Porta LAN	x1	Porta LAN x1
	Porta USB	x4	Porta USB x4
	Tomada de áudio	x6	Tomada de áudio x3
Tamanho da placa	208 mm (L) X 244 mm (A)		208 mm (L) X 244 mm (A)
Características especiais	Suporta as funções RAID 0 / 1 / 5 / 0+1		Suporta as funções RAID 0 / 1 / 5 / 0+1
Sistemas operativos suportados	Windows 2000 / XP / VISTA A Biostar reserva-se o direito de adicionar ou remover suporte para qualquer sistema operativo com ou sem aviso prévio.		Windows 2000 / XP / VISTA A Biostar reserva-se o direito de adicionar ou remover suporte para qualquer sistema operativo com ou sem aviso prévio.

POLISH

	Ver 5.x	Ver 6.x
Procesor	Socket AM2 AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron Procesory Architektura AMD 64 umożliwia przetwarzanie 32 i 64 bitowe Obsługa Hyper Transport oraz Cool'n'Quiet	Socket AM2 AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron Procesory Architektura AMD 64 umożliwia przetwarzanie 32 i 64 bitowe Obsługa Hyper Transport oraz Cool'n'Quiet
FSB	Obsługa HyperTransport o szerokości pasma do 1 GHz	Obsługa HyperTransport o szerokości pasma do 1 GHz
Chipset	GeForce 7050/NF630a	GeForce 7050/NF630a
Pamięć główna	Gniazda DDR2 DIMM x 2 Maks. wielkość pamięci 4GB Każde gniazdo DIMM obsługuje moduły 256MB/512MB oraz 1GB/2GB DDR2 Moduł pamięci DDR2 z trybem podwójnego kanału Obsługa DDR2 533 / 667 / 800 Brak obsługi Registered DIMM oraz ECC DIMM	Gniazda DDR2 DIMM x 2 Maks. wielkość pamięci 4GB Każde gniazdo DIMM obsługuje moduły 256MB/512MB oraz 1GB/2GB DDR2 Moduł pamięci DDR2 z trybem podwójnego kanału Obsługa DDR2 533 / 667 / 800 Brak obsługi Registered DIMM oraz ECC DIMM
Super I/O	ITE 8716F Zapewnia najbardziej powszechne funkcje Super I/O. Interfejs Low Pin Count Funkcje kontroli warunków pracy, Monitor H/W Kontroler prędkości wentylatora Funkcja ITE "Smart Guardian"	ITE 8716F Zapewnia najbardziej powszechne funkcje Super I/O. Interfejs Low Pin Count Funkcje kontroli warunków pracy, Monitor H/W Kontroler prędkości wentylatora Funkcja ITE "Smart Guardian"
Grafika	Zintegrowana w chipsecie GeForce 7050/NF630a Maks. wielkość współdzielonej pamięci video wynosi 512MB	Zintegrowana w chipsecie GeForce 7050/NF630a Maks. wielkość współdzielonej pamięci video wynosi 512MB
IDE	Zintegrowany kontroler IDE Ultra DMA 33 / 66 / 100 / 133 Tryb Bus Master obsługa PIO tryb 0~4,	Zintegrowany kontroler IDE Ultra DMA 33 / 66 / 100 / 133 Tryb Bus Master obsługa PIO tryb 0~4,
SATA II	Zintegrowany kontroler Serial ATA Transfer danych do 3 Gb/s. Zgodność ze specyfikacją SATA w wersji 2.0.	Zintegrowany kontroler Serial ATA Transfer danych do 3 Gb/s. Zgodność ze specyfikacją SATA w wersji 2.0.
LAN	Realtek RTL 8201N / 8211B (opcja) 10 / 100 / 1000 Mb/s z automatyczną negocjacją szybkości (Pasma gigabitowe wyłącznie dla RTL 8211B) Działanie w trybie połowicznego / pełnego duplexu	Realtek RTL 8201N / 8211B (opcja) 10 / 100 / 1000 Mb/s z automatyczną negocjacją szybkości (Pasma gigabitowe wyłącznie dla RTL 8211B) Działanie w trybie połowicznego / pełnego duplexu

		Ver 5.x		Ver 6.x		
Kodek dźwiękowy	ALC888	7.1 kanałowe wyjście audio Obsługa High-Definition Audio		ALC662	5.1 kanałowe wyjście audio Obsługa High-Definition Audio	
Gniazda	Gniazdo PCI	x2		Gniazdo PCI	x2	
	Gniazdo PCI Express x16	x1		Gniazdo PCI Express x16	x1	
	Gniazdo PCI Express x 1	x1		Gniazdo PCI Express x 1	x1	
Złącza wbudowane	Złącze napędu dyskietek	x1		Złącze napędu dyskietek	x1	
	Złącze Port drukarki	x1		Złącze Port drukarki	x1	
	Złącze IDE	x1		Złącze IDE	x1	
	Złącze SATA	x4		Złącze SATA	x4	
	Złącze panela przedniego	x1		Złącze panela przedniego	x1	
	Przednie złącze audio	x1		Przednie złącze audio	x1	
	Złącze wejścia CD	x1		Złącze wejścia CD	x1	
	Złącze wyjścia S/PDIF	x1		Złącze wyjścia S/PDIF	x1	
	Złącze głośnikowe wentylatora procesora	x1		Złącze głośnikowe wentylatora procesora	x1	
	Złącze głośnikowe wentylatora systemowego	x1		Złącze głośnikowe wentylatora systemowego	x1	
	Złącze głośnikowe kasowania			Złącze głośnikowe kasowania		
	CMOS	x1		CMOS	x1	
	Złącze USB	x3		Złącze USB	x3	
	Złącze Port szeregowy	x1		Złącze Port szeregowy	x1	
Złącze zasilania (24 pinowe)	x1		Złącze zasilania (24 pinowe)	x1		
Złącze zasilania (4 pinowe)	x1		Złącze zasilania (4 pinowe)	x1		
Back Panel I/O	Klawiatura PS/2	x1		Klawiatura PS/2	x1	
	Mysz PS/2	x1		Mysz PS/2	x1	
	Port VGA	x1		Port VGA	x1	
	Port DVI-D	x1		Port DVI-D	x1	
	Port LAN	x1		Port LAN	x1	
	Port USB	x4		Port USB	x4	
	Gniazdo audio	x6		Gniazdo audio	x3	
Wymiary płyty	208 mm (S) X 244 mm (W)		208 mm (S) X 244 mm (W)			
Funkcje specjalne	Obsługa RAID 0 / 1 / 5 / 0+1		Obsługa RAID 0 / 1 / 5 / 0+1			
Obsługa systemu operacyjnego	Windows 2000 / XP / VISTA Biostar zastrzega sobie prawo dodawania lub odwoływania obsługi dowolnego systemu operacyjnego bez powiadomienia.		Windows 2000 / XP / VISTA Biostar zastrzega sobie prawo dodawania lub odwoływania obsługi dowolnego systemu operacyjnego bez powiadomienia.			

RUSSIAN

	<i>Ver 5.x</i>	<i>Ver 6.x</i>
CPU (центральный процессор)	Гнездо AM2 Процессоры AMD Athlon 64 / Athlon 64 FX / Athlon 64 X2 / Sempron Архитектура AMD 64 разрешать обработка данных на 32 и 64 бит Поддержка Hyper Transport и Cool'n'Quiet	Гнездо AM2 Процессоры AMD Athlon 64 / Athlon 64 FX / Athlon 64 X2 / Sempron Архитектура AMD 64 разрешать обработка данных на 32 и 64 бит Поддержка Hyper Transport и Cool'n'Quiet
FSB	Поддержка HyperTransport с пропускной способностью до1ГГц	Поддержка HyperTransport с пропускной способностью до1ГГц
Набор микросхем	GeForce 7050/NF630a	GeForce 7050/NF630a
Основная память	Слоты DDR2 DIMM x 2 Максимальная ёмкость памяти 4 Гб Каждый модуль DIMM поддерживает 256 МБ /512МБ & 1Гб/2Гб DDR2 Модуль памяти с двухканальным режимом DDR2 Поддержка DDR2 533 / 667 / 800 Не поддерживает зарегистрированные модули DIMM and ECC DIMM	Слоты DDR2 DIMM x 2 Максимальная ёмкость памяти 4 Гб Каждый модуль DIMM поддерживает 256 МБ /512МБ & 1Гб/2Гб DDR2 Модуль памяти с двухканальным режимом DDR2 Поддержка DDR2 533 / 667 / 800 Не поддерживает зарегистрированные модули DIMM and ECC DIMM
Super I/O	ITE 8716F Обеспечивает наиболее используемые действующие функциональные возможности Super I/O. Интерфейс с низким количеством выводов Инициативы по охране окружающей среды, Аппаратный монитор Регулятор скорости Функция ITE "Smart Guardian" (Интеллектуальная защита)	ITE 8716F Обеспечивает наиболее используемые действующие функциональные возможности Super I/O. Интерфейс с низким количеством выводов Инициативы по охране окружающей среды, Аппаратный монитор Регулятор скорости Функция ITE "Smart Guardian" (Интеллектуальная защита)
Графика	Встроенная в набор микросхем GeForce 7050/NF630a Максимальная совместно используемая видео память составляет 512 МБ	Встроенная в набор микросхем GeForce 7050/NF630a Максимальная совместно используемая видео память составляет 512 МБ
IDE	Встроенное устройство управления встроенными интерфейсами устройств Режим "хозяина" шины Ultra DMA 33 / 66 / 100 / 133 Поддержка режима PIO 0~4,	Встроенное устройство управления встроенными интерфейсами устройств Режим "хозяина" шины Ultra DMA 33 / 66 / 100 / 133 Поддержка режима PIO 0~4,
SATA II	Встроенное последовательное устройство управления ATA скорость передачи данных до 3 гигабит/с. Соответствие спецификации SATA версия 2.0.	Встроенное последовательное устройство управления ATA скорость передачи данных до 3 гигабит/с. Соответствие спецификации SATA версия 2.0.
Локальная сеть	Realtek RTL 8201N / 8211B (дополнительно) Автоматическое согласование 10 / 100 / 1000 Мб/с (гигабитная пропускная способность только для гигабитного физического уровня) Частичная / полная дуплексная способность	Realtek RTL 8201N / 8211B (дополнительно) Автоматическое согласование 10 / 100 / 1000 Мб/с (гигабитная пропускная способность только для гигабитного физического уровня) Частичная / полная дуплексная способность

	Ver 5.x		Ver 6.x	
Звуковой кодек	ALC888 7.1канальный звуковой выход Звуковая поддержка High-Definition		ALC662 5.1канальный звуковой выход Звуковая поддержка High-Definition	
Слоты	Слот PCI x2		Слот PCI x2	
	Слот PCI Express x16 x1		Слот PCI Express x16 x1	
	Слот PCI Express x 1 x1		Слот PCI Express x 1 x1	
Встроенный разъём	Разъём НГМД x1		Разъём НГМД x1	
	Разъём Порт подключения принтера x1		Разъём Порт подключения принтера x1	
	Разъём IDE x1		Разъём IDE x1	
	Разъём SATA x4		Разъём SATA x4	
	Разъём на лицевой панели x1		Разъём на лицевой панели x1	
	Входной звуковой разъём x1		Входной звуковой разъём x1	
	Разъём ввода для CD x1		Разъём ввода для CD x1	
	Разъём вывода для S/PDIF x1		Разъём вывода для S/PDIF x1	
	Контактирующее приспособление вентилятора центрального процессора x1		Контактирующее приспособление вентилятора центрального процессора x1	
	Контактирующее приспособление вентилятора системы x1		Контактирующее приспособление вентилятора системы x1	
	Открытое контактирующее приспособление CMOS x1		Открытое контактирующее приспособление CMOS x1	
	USB-разъём x3		USB-разъём x3	
	Разъём Последовательный порт x1		Разъём Последовательный порт x1	
	Разъём питания (24 вывод) x1		Разъём питания (24 вывод) x1	
Разъём питания (4 вывод) x1		Разъём питания (4 вывод) x1		
Задняя панель средств ввода-вывода	Клавиатура PS/2 x1		Клавиатура PS/2 x1	
	Мышь PS/2 x1		Мышь PS/2 x1	
	Порт VGA x1		Порт VGA x1	
	Порт DVI-D x1		Порт DVI-D x1	
	Порт LAN x1		Порт LAN x1	
	USB-порт x4		USB-порт x4	
	Гнездо для подключения наушников x6		Гнездо для подключения наушников x3	
Размер панели	208 мм (Ш) X 244 мм (В)		208 мм (Ш) X 244 мм (В)	
Специальные технические характеристики	Поддержка RAID 0 / 1 / 5 / 0+1		Поддержка RAID 0 / 1 / 5 / 0+1	
Поддержка OS	Windows 2000 / XP / VISTA Biostar сохраняет за собой право добавлять или удалять средства обеспечения для OS с или без предварительного уведомления.		Windows 2000 / XP / VISTA Biostar сохраняет за собой право добавлять или удалять средства обеспечения для OS с или без предварительного уведомления.	

ARABIC

Ver 6.x	Ver 5.x	
AM2 مقبس AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron إجراء العمليات الحاسوبية بسرعة 32 و 64 بت AMD يمكن تقنية Cool'n'Quiet و Hyper Transport تدعم تقنية	AM2 مقبس AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron إجراء العمليات الحاسوبية بسرعة 32 و 64 بت AMD يمكن تقنية Cool'n'Quiet و Hyper Transport تدعم تقنية	وحدة المعالجة المركزية
تردد يصل إلى 1000 HyperTransport تدعم تقنية	تردد يصل إلى 1000 HyperTransport تدعم تقنية	النقل الأمامي الجانبي
GeForce 7050/NF630a	GeForce 7050/NF630a	مجموعة الشرائح
عدد 2 قناة DDR2 DIMM سعة ذاكرة قصوى 4 جيجا بايت ميجا 256/512 سعة DDR2 تدعم ذاكرة من نوع DIMM كل قناة بايت و 2/1 جيجا بايت مزوجة القناة DDR2 وحدة ذاكرة سعت 800 / 667 / 533 ميجا بايت DDR2 تدعم الذاكرة من نوع ECC وتلك التي لا تتوافق مع DIMM لا تدعم رقائق الذاكرة	عدد 2 قناة DDR2 DIMM سعة ذاكرة قصوى 4 جيجا بايت ميجا 256/512 سعة DDR2 تدعم ذاكرة من نوع DIMM كل قناة بايت و 2/1 جيجا بايت مزوجة القناة DDR2 وحدة ذاكرة سعت 800 / 667 / 533 ميجا بايت DDR2 تدعم الذاكرة من نوع ECC وتلك التي لا تتوافق مع DIMM لا تدعم رقائق الذاكرة	الذاكرة الرئيسية
ITE 8716F الأكثر استخداماً. Super I/O يوفر وظيفة Low Pin Count Interface تدعم تقنية وسائل التحكم في البيئة: مراقب لمعرفة حالة الأجهزة مراقب في سرعة المروحة ITE من "Smart Guardian" وظيفة	ITE 8716F الأكثر استخداماً. Super I/O يوفر وظيفة Low Pin Count Interface تدعم تقنية وسائل التحكم في البيئة: مراقب لمعرفة حالة الأجهزة مراقب في سرعة المروحة ITE من "Smart Guardian" وظيفة	Super I/O
GeForce 7050/NF630a منمجة في رقائق ميجا بايت 512 أقصى سعة لذاكرة الفيديو المشتركة	GeForce 7050/NF630a منمجة في رقائق ميجا بايت 512 أقصى سعة لذاكرة الفيديو المشتركة	بطاقة الرسومات
متكامل IDE متحكم وضع رئيسي 133 / 100 / 66 / 33 Ultra DMA نقل بتقنية PIO Mode 0 ~ 4 دعم وضع	متكامل IDE متحكم وضع رئيسي 133 / 100 / 66 / 33 Ultra DMA نقل بتقنية PIO Mode 0 ~ 4 دعم وضع	منفذ IDE
متكامل Serial ATA متحكم نقل البيانات بسرعة تصل إلى 3 جيجابت/ثانية. 2.0 الإصدار SATA مطابقة لمواصفات	متكامل Serial ATA متحكم نقل البيانات بسرعة تصل إلى 3 جيجابت/ثانية. 2.0 الإصدار SATA مطابقة لمواصفات	SATA II
Realtek RTL 8201N / RTL 8211B (اختياري) تفاوض تلقائي 10/100 ميجا بايت / ثانية و 1 جيجا بايت/ثانية RTL 8211B انطلق التردد للجيغابت مقصور فقط على إمكانية النقل المزوج الكامل/النصفي	Realtek RTL 8201N / RTL 8211B (اختياري) تفاوض تلقائي 10/100 ميجا بايت / ثانية و 1 جيجا بايت/ثانية RTL 8211B انطلق التردد للجيغابت مقصور فقط على إمكانية النقل المزوج الكامل/النصفي	شبكة داخلية

Ver 6.x	Ver 5.x	
ALC662 قوات لخرج الصوت 5.1 تدعم تقنية الصوت عالي التعريف من	ALC888 قوات لخرج الصوت 7.1 تدعم تقنية الصوت عالي التعريف من	كوديك الصوت
عدد 2 قحة PCI عدد 1 قحة PCI Express x16 عدد 1 قحة PCI Express x1	عدد 2 قحة PCI عدد 1 قحة PCI Express x16 عدد 1 قحة PCI Express x1	القحات
عدد 1 منفذ محرك أقراص مرنة عدد 1 منفذ طباعة عدد 1 منفذ IDE عدد 4 منفذ SATA عدد 1 منفذ اللوحة الأممية عدد 1 منفذ الصوت الأممي عدد 1 منفذ CD-IN عدد 1 منفذ خرج S/PDIF عدد 1 وصلة مروحة وحدة المعالجة المركزية عدد 1 وصلة مروحة النظام عدد 1 وصلة مسح CMOS عدد 3 منفذ USB عدد 1 منفذ تسلسلي عدد 1 منفذ توصيل الطاقة (24بيوس) عدد 1 منفذ توصيل الطاقة (4دبابيس)	عدد 1 منفذ محرك أقراص مرنة عدد 1 منفذ طباعة عدد 1 منفذ IDE عدد 4 منفذ SATA عدد 1 منفذ اللوحة الأممية عدد 1 منفذ الصوت الأممي عدد 1 منفذ CD-IN عدد 1 منفذ خرج S/PDIF عدد 1 وصلة مروحة وحدة المعالجة المركزية عدد 1 وصلة مروحة النظام عدد 1 وصلة مسح CMOS عدد 3 منفذ USB عدد 1 منفذ تسلسلي عدد 1 منفذ توصيل الطاقة (24بيوس) عدد 1 منفذ توصيل الطاقة (4دبابيس)	المنافذ على سطح اللوحة
عدد 1 لوحة مفاتيح PS/2 عدد 1 ملوس PS/2 عدد 1 منافذ VGA عدد 1 منافذ DVI-D عدد 1 منفذ شبكة اتصال محلية عدد 4 منافذ USB عدد 3 مقيس صوت	عدد 1 لوحة مفاتيح PS/2 عدد 1 ملوس PS/2 عدد 1 منافذ VGA عدد 1 منافذ DVI-D عدد 1 منفذ شبكة اتصال محلية عدد 4 منافذ USB عدد 6 مقيس صوت	منفذ دخل/خرج اللوحة الخلفية
RAID 0 / 1 / 5 / 0+1 تدعم تقنية	RAID 0 / 1 / 5 / 0+1 تدعم تقنية	مزايا خاصة
208 مم (عرض) X 244 مم (ارتفاع)	208 مم (عرض) X 244 مم (ارتفاع)	حجم اللوحة
Windows 2000 / XP / VISTA بحقها في إضافة أو إزالة الدعم لأي نظام تشغيل بإخطار أو Biostar تحتفظ بدون إخطار .	Windows 2000 / XP / VISTA بحقها في إضافة أو إزالة الدعم لأي نظام تشغيل بإخطار أو Biostar تحتفظ بدون إخطار .	دعم أنظمة التشغيل

JAPANESE

	Ver 5.x	Ver 6.x
CPU	Socket AM2 AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2/ Sempron プロセッサ AMD 64アーキテクチャでは、32ビットと64ビット計算が可能です ハイパートランスポートとクールアンドクワイアットをサポートします	Socket AM2 AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2/ Sempron プロセッサ AMD 64アーキテクチャでは、32ビットと64ビット計算が可能です ハイパートランスポートとクールアンドクワイアットをサポートします
FSB	1GHzのバンド幅までハイパートランスポートをサポートします	1GHzのバンド幅までハイパートランスポートをサポートします
チップセット	GeForce 7050/NF630a	GeForce 7050/NF630a
メインメモリ	DDR2 DIMMスロット x 2 最大メモリ容量4GB 各DIMMは 256MB/512MB & 1GB/2GB DDR2をサポート デュアル チャンネルモードDDR2 メモリモジュール DDR2 533 / 667 / 800をサポート 登録済みDIMMとECC DIMMはサポートされません	DDR2 DIMMスロット x 2 最大メモリ容量4GB 各DIMMは 256MB/512MB & 1GB/2GB DDR2をサポート デュアル チャンネルモードDDR2 メモリモジュール DDR2 533 / 667 / 800をサポート 登録済みDIMMとECC DIMMはサポートされません
Super I/O	ITE 8716F もつとも一般に使用されるレガシーSuper I/O機能を採用しています。 低ピンカウントインターフェイス 環境コントロールイニシアチブ、 H/Wモニター ファン速度コントローラ/ モニター ITEの「スマートガーディアン」機能	ITE 8716F もつとも一般に使用されるレガシーSuper I/O機能を採用しています。 低ピンカウントインターフェイス 環境コントロールイニシアチブ、 H/Wモニター ファン速度コントローラ/ モニター ITEの「スマートガーディアン」機能
グラフィックス	GeForce 7050/NF630aチップセットに統合 最大の共有ビデオメモリは512MBです	GeForce 7050/NF630aチップセットに統合 最大の共有ビデオメモリは512MBです
IDE	統合IDEコントローラ Ultra DMA 33 / 66 / 100 / 133バスマスタモード PIO Mode 0~4のサポート、	統合IDEコントローラ Ultra DMA 33 / 66 / 100 / 133バスマスタモード PIO Mode 0~4のサポート、
SATA II	統合シリアルATAコントローラ 最高3 Gb/秒のデータ転送速度 SATAバージョン2.0仕様に準拠。	統合シリアルATAコントローラ 最高3 Gb/秒のデータ転送速度 SATAバージョン2.0仕様に準拠。
LAN	Realtek RTL 8201N / 8211B (オプション) 10 / 100 / 1000 Mb/秒のオートネゴシエーション (Gigabitバンド幅はRTL 8211B 専用です) 半/全二重機能	Realtek RTL 8201N / 8211B (オプション) 10 / 100 / 1000 Mb/秒のオートネゴシエーション (Gigabitバンド幅はRTL 8211B 専用です) 半/全二重機能

		Ver 5.x		Ver 6.x		
サウンド Codec	ALC888			ALC662		
	7.1チャンネルオーディオアウト ハイデフィニションオーディオのサポート			5.1チャンネルオーディオアウト ハイデフィニションオーディオのサポート		
スロット	PCIスロット	x2		PCIスロット	x2	
	PCI Express x16スロット	x1		PCI Express x16スロット	x1	
	PCI Express x 1スロット	x1		PCI Express x 1スロット	x1	
オンボードコ ネクタ	フロッピーコネクタ	x1		フロッピーコネクタ	x1	
	プリンタポートコネクタ	x1		プリンタポートコネクタ	x1	
	IDEコネクタ	x1		IDEコネクタ	x1	
	SATAコネクタ	x4		SATAコネクタ	x4	
	フロントパネルコネクタ	x1		フロントパネルコネクタ	x1	
	フロントオーディオコネクタ	x1		フロントオーディオコネクタ	x1	
	CDインコネクタ	x1		CDインコネクタ	x1	
	S/PDIFアウトコネクタ	x1		S/PDIFアウトコネクタ	x1	
	CPUファンヘッダ	x1		CPUファンヘッダ	x1	
	システムファンヘッダ	x1		システムファンヘッダ	x1	
	CMOSクリアヘッダ	x1		CMOSクリアヘッダ	x1	
	USBコネクタ	x3		USBコネクタ	x3	
	シリアルポートコネクタ	x1		シリアルポートコネクタ	x1	
電源コネクタ(24ピン)	x1		電源コネクタ(24ピン)	x1		
電源コネクタ(4ピン)	x1		電源コネクタ(4ピン)	x1		
背面パネル I/O	PS/2キーボード	x1		PS/2キーボード	x1	
	PS/2マウス	x1		PS/2マウス	x1	
	VGAポート	x1		VGAポート	x1	
	DVI-Dポート	x1		DVI-Dポート	x1	
	LANポート	x1		LANポート	x1	
	USBポート	x4		USBポート	x4	
	オーディオジャック	x6		オーディオジャック	x3	
ボードサイズ	208 mm (幅) X 244 mm (高さ)		208 mm (幅) X 244 mm (高さ)			
特殊機能	RAID 0 / 1 / 5 / 0+1 のサポート		RAID 0 / 1 / 5 / 0+1 のサポート			
OSサポート	Windows 2000 / XP / VISTA Biostarは事前のサポートなしにOSサポートを追加または削除する権利を留保します。		Windows 2000 / XP / VISTA Biostarは事前のサポートなしにOSサポートを追加または削除する権利を留保します。			

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