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## **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)

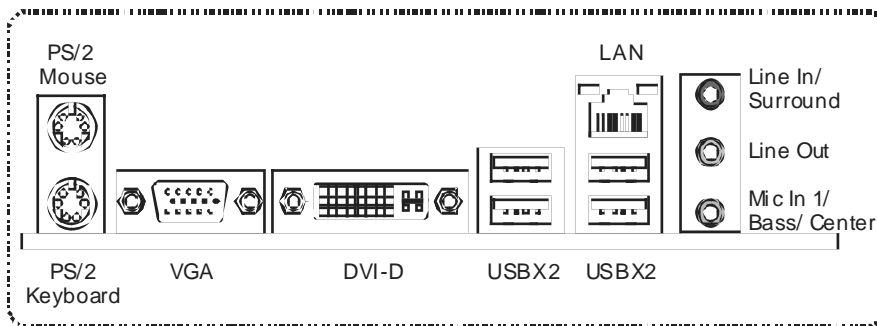
*Note:* The package contents may differ by area or your motherboard version.

### 1.3 MOTHERBOARD FEATURES

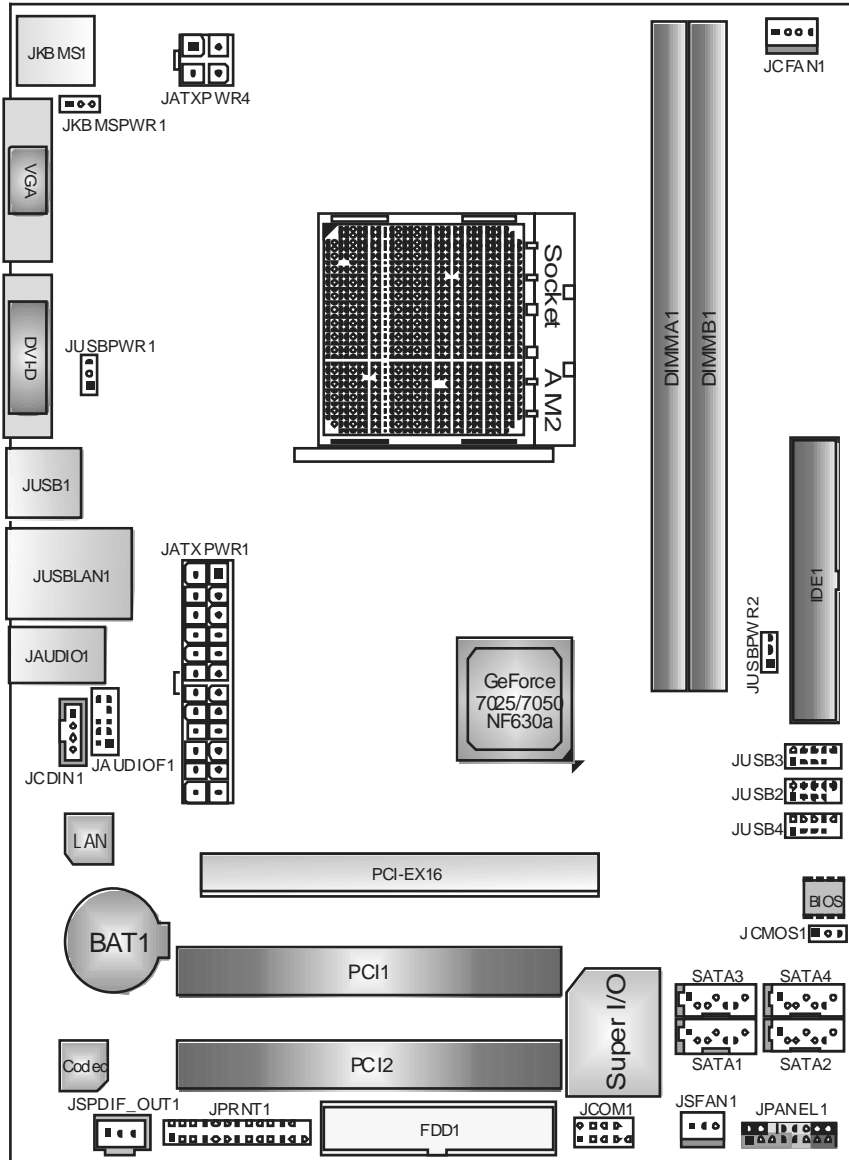
	<i>GF 7025-M2 TE</i>	<i>GF 7050-M2 SE</i>
CPU	Socket AM2 AMDAthlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron processors AMD 64 Architecture enables 32 and 64 bit computing Supports Hyper Transport and Cool'nQuiet	Socket AM2 AMDAthlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron processors AMD 64 Architecture 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 7025/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 7025/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 8201CL 10 / 100 Mb/s auto negotiation Half / Full duplex capability	Realtek RTL 8201CL 10 / 100 Mb/s auto negotiation Half / Full duplex capability
Sound	ALC662 5.1 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 slot x2 PCI Express x16 slot x1

	<i>GF 7025-M2 TE</i>	<i>GF 7050-M2 SE</i>		
On Board Connector	Floppy connector	x1	Floppy connector	x1
	Printer Port connector	x1	Printer Port connector	x1
	IDE Connector	x1	IDE Connector	x1
	SATA Connector	x4	SATA Connector	x4
	Front Panel Connector	x1	Front Panel Connector	x1
	Front Audio Connector	x1	Front Audio Connector	x1
	CD-inConnector	x1	CD-inConnector	x1
	S/PDIF out connector	x1	S/PDIF out connector	x1
	CPU Fan header	x1	CPU Fan header	x1
	System Fan header	x1	System Fan header	x1
	CMOS clear header	x1	CMOS clear header	x1
	USB connector	x3	USB connector	x3
	Serial port Connector	x1	Serial port Connector	x1
	Power Connector (24pin)	x1	Power Connector (24pin)	x1
	Power Connector (4pin)	x1	Power Connector (4pin)	x1
Back Panel I/O	PS/2 Keyboard	x1	PS/2 Keyboard	x1
	PS/2 Mouse	x1	PS/2 Mouse	x1
	VGA port	x1	VGA port	x1
	DVI-D port	x1	DVI-D port	x1
	LAN port	x1	LAN port	x1
	USB Port	x4	USB Port	x4
	Audio Jack	x3	Audio Jack	x3
Board Size	190 mm(W) x 244 mm(L)		190 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 XP / VISTA Biostar Reserves the right to add or remove support for any OS With or without notice.		Windows XP / VISTA Biostar Reserves the right to add or remove support for any OS With or without notice.	

## 1.4 REAR PANEL CONNECTORS



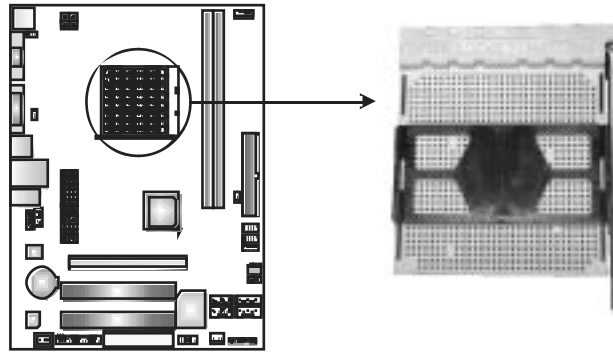
## 1.5 MOTHERBOARD LAYOUT



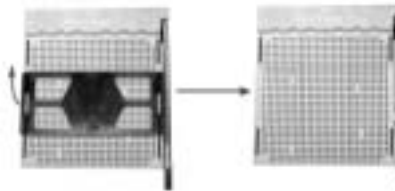
**Not e:** ■ represents the 1<sup>st</sup> pin.

## CHAPTER 2: HARDWARE INSTALLATION

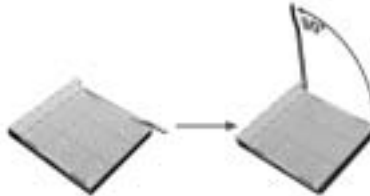
### 2.1 INSTALLING CENTRAL PROCESSING UNIT (CPU)



**Step 1:** Remove the socket protection cap.



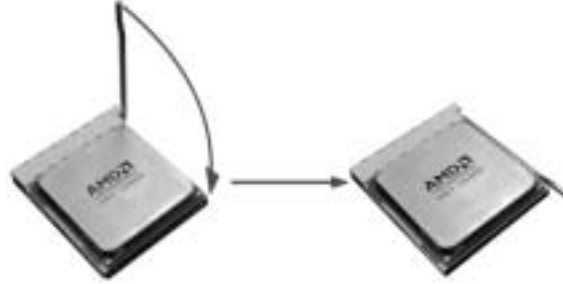
**Step 2:** Pull the lever toward direction A from the socket and then raise the lever up to a 90-degree angle.



**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.



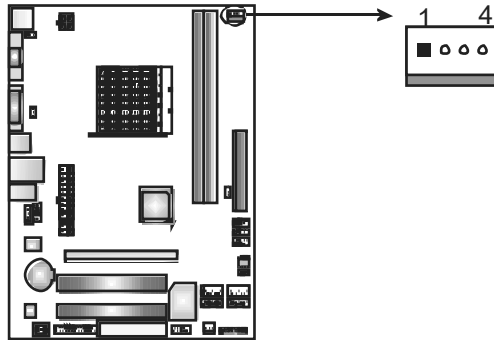
**Step 5:** Put the CPU Fan on the CPU and buckle it. Connect the CPU FAN power cable to the JCFAN1. This completes the installation.



## 2.2 FAN HEADERS

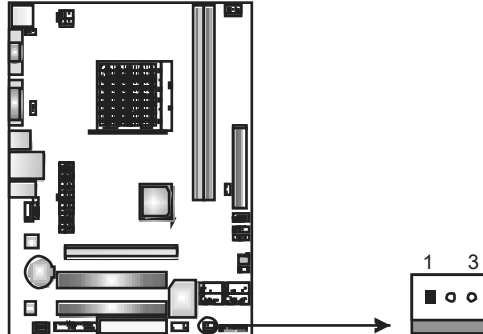
These fan headers support cooling-fans built in the computer. The fan cable and connector may be different according to the fan manufacturer. Connect the fan cable to the connector while matching the black wire to pin#1.

### JCFAN1: CPU Fan Header



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

### JSFAN1: System Fan Header



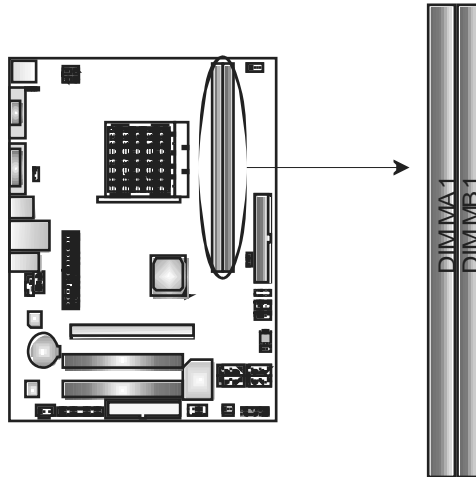
Pin	Assignment
1	Ground
2	+12V
3	FAN RPM rate sense

**Note:**

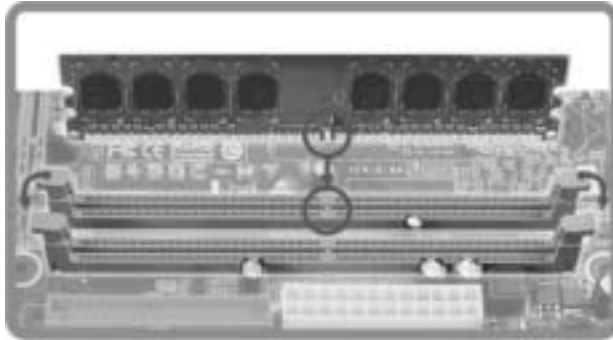
The JCFAN1 supports 4-pin head connector. The JSFAN1 supports 3-pin head connector. When connecting with wires onto connectors, please note that the red wire is the positive and should be connected to pin#2, and the black wire is Ground and should be connected to GND.

## 2.3 INSTALLING SYSTEM MEMORY

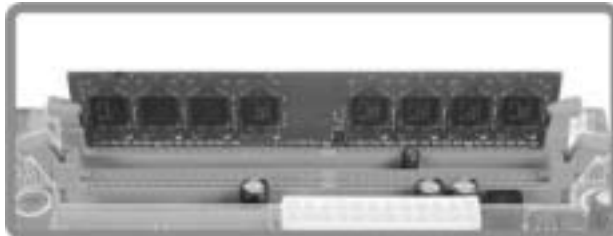
### A. Memory Modules



1. Unlock a DIMM slot by pressing the retaining dips 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

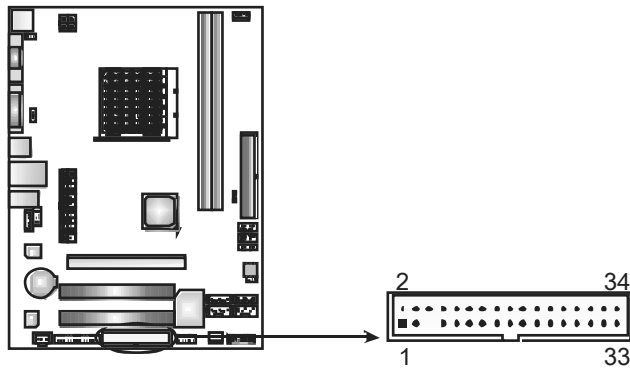
(O means memory installed, X means memory not installed.)

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

## 2.4 CONNECTORS AND SLOTS

### FDD1: Floppy Disk Connector

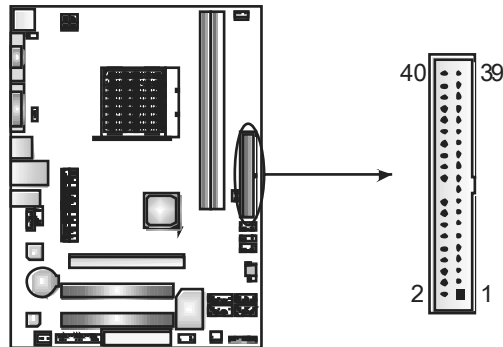
The motherboard provides a standard floppy disk connector that supports 360K, 720K, 1.2M, 1.44M and 2.88M floppy disk types. This connector supports the provided floppy drive ribbon cables.



### IDE1: Hard Disk Connector

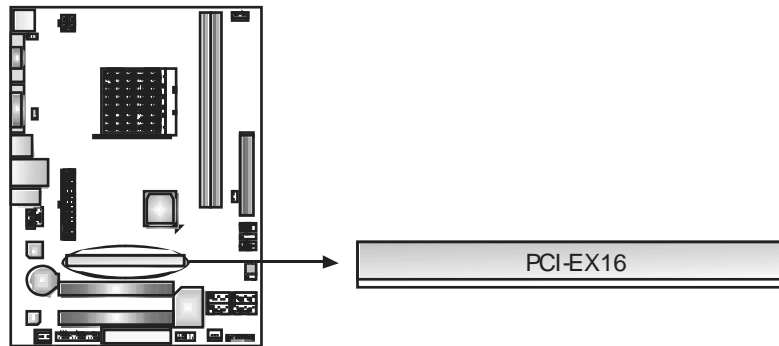
The motherboard has a 32-bit Enhanced PCI IDE Controller that provides PIO Mode 0-4, Bus Master, and Ultra DMA 33/66/100/133 functionality.

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



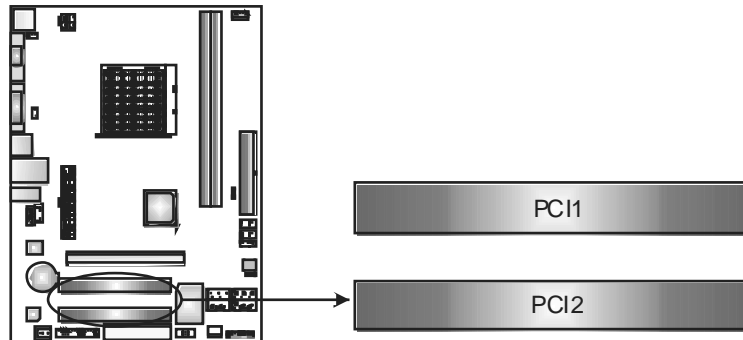
**PCI-EX16: PCI-Express x16 Slot**

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

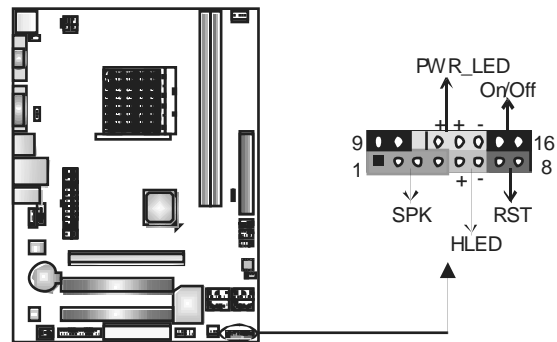
The illustration shows how to set up jumpers. When the jumper cap is placed on pins, the jumper is “close”, if not, that means the jumper is “open”.



### 3.2 DETAIL SETTINGS

#### JPANEL1: Front Panel Header

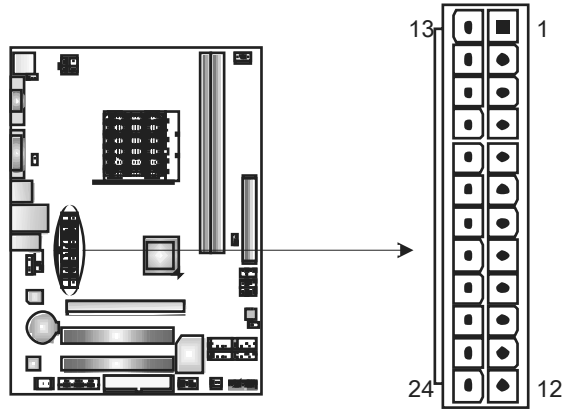
This 16-pin connector includes Power-on, Reset, HDD LED, Power LED, and speaker connection. It allows user to connect the PC case's front panel switch functions.



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

**JATXPWR1: ATX Power Source Connector**

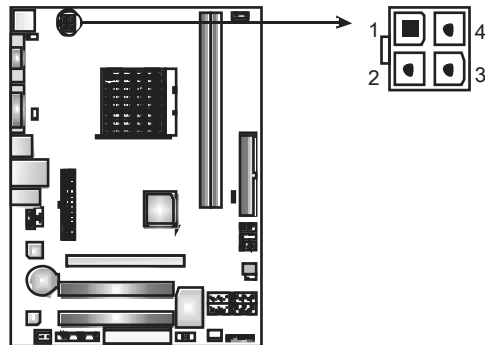
This connector allows user to connect 24-pin power connector on the ATX power supply.



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	StandbyVoltage+5V
22	+5V	10	+12V
23	+5V	11	+12V
24	Ground	12	+3.3V

**JATXPWR4: ATX Power Source Connector**

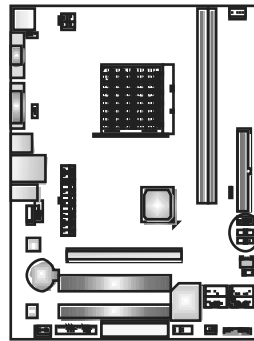
By connecting this connector, it will provide +12V to CPU power circuit.



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.



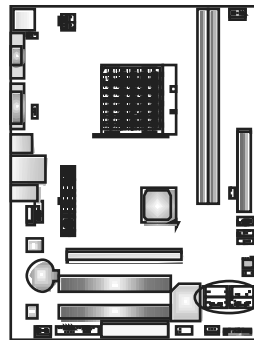
JUSB3  
JUSB2  
JUSB4



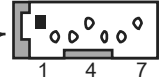
Pin	Assignment
1	+5V (fused)
2	+5V (fused)
3	USB-
4	USB-
5	USB+
6	USB+
7	Ground
8	Ground
9	Key
10	NC

### SATA1~SATA4: Serial ATA Connectors

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



SATA3 SATA4  
SATA1 SATA2

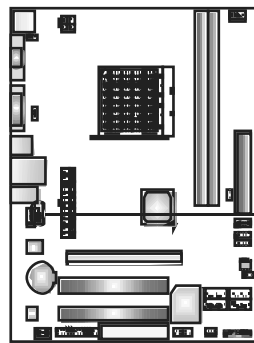


Pin	Assignment
1	Ground
2	TX+
3	TX-
4	Ground
5	RX-
6	RX+
7	Ground



**JAUDIOF1: Front Panel Audio Header**

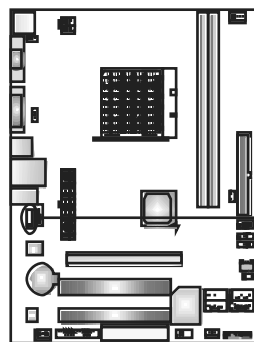
This header allows user to connect the front audio output cable with the PC front panel. This header allows only HD audio front panel connector; AC'97 connector is not acceptable.



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**

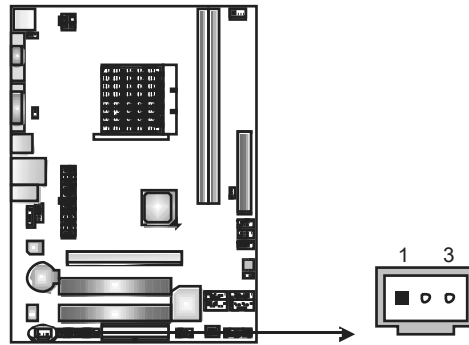
This connector allows user to connect the audio source from the variety devices, like CD-ROM, DVD-ROM, PCI sound card, PCI TV turner card etc..



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

### JSPDIF\_OUT1: Digital Audio-out Connector

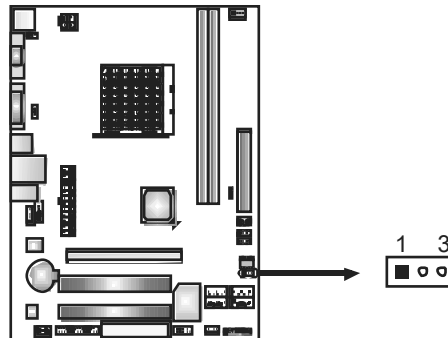
This connector allows user to connect the PCI bracket SPDIF output header.



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).



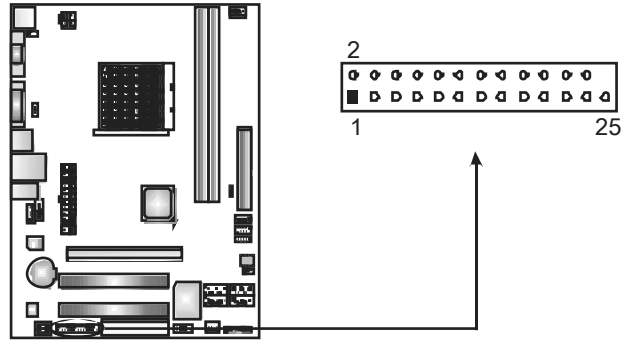
**Pin 2-3 Close:**  
Clear CMOS data.

#### ※ 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**

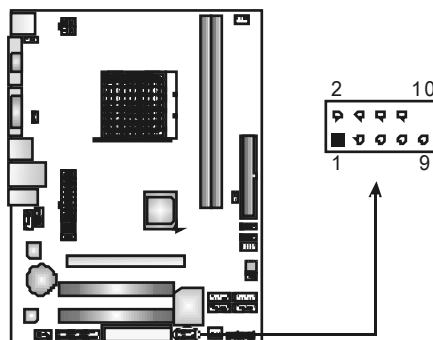
This header allows you to connector printer on the PC.



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 indicabr
10	Key

### JUSBPWR1/JUSBPWR2: Power Source Headers for USB Ports

**Pin 1-2 Close:**

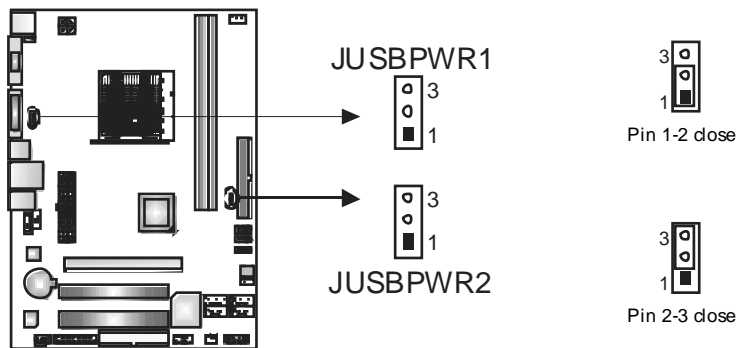
JUSBPWR1: +5V for USB ports at JUSB1/JUSBLAN1.

JUSBPWR2: +5V for USB ports at front panel (JUSB2/JUSB3/JUSB4).

**Pin 2-3 Close:**

JUSBPWR1: USB ports at JUSB1/JUSBLAN1 are powered by +5V standby voltage.

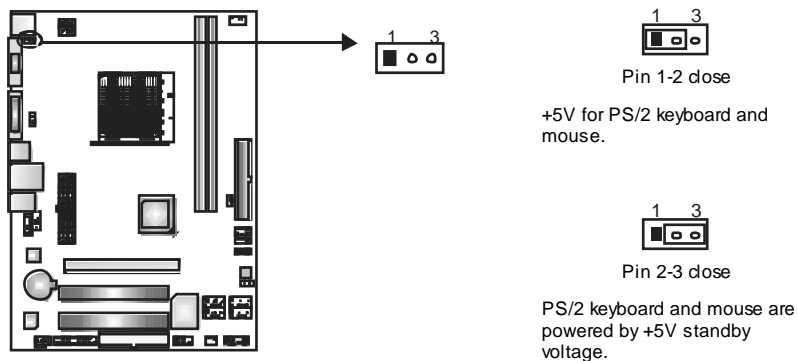
JUSBPWR2: USB ports at front panel (JUSB2/JUSB3/JUSB4) are powered by +5V standby voltage.



**Note:**

In order to support this function "Power-On system via USB device," "JUSBPWR 1/ JUSBPWR 2" jumper caps should be placed on Pin 2-3 individually.

### JKBMSPWR1: Power Source Header for PS/2 Keyboard and Mouse



**Note:**

In order to support this function "Power-on system via keyboard and mouse", "JKBMSPWR1" jumper caps should be placed on Pin 2-3.

## CHAPTER 4: RAID FUNCTIONS

### 4.1 OPERATION SYSTEM

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

### 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.

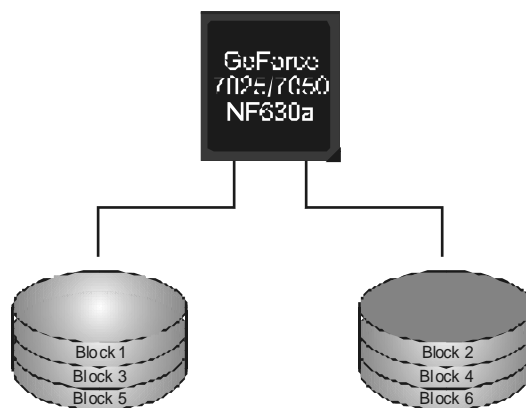
### 4.3 HOW RAID WORKS

#### **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.



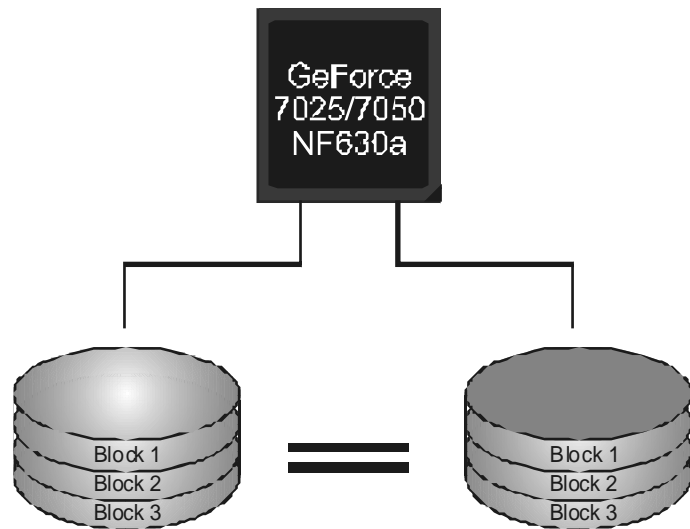
**RAID 1:**

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.

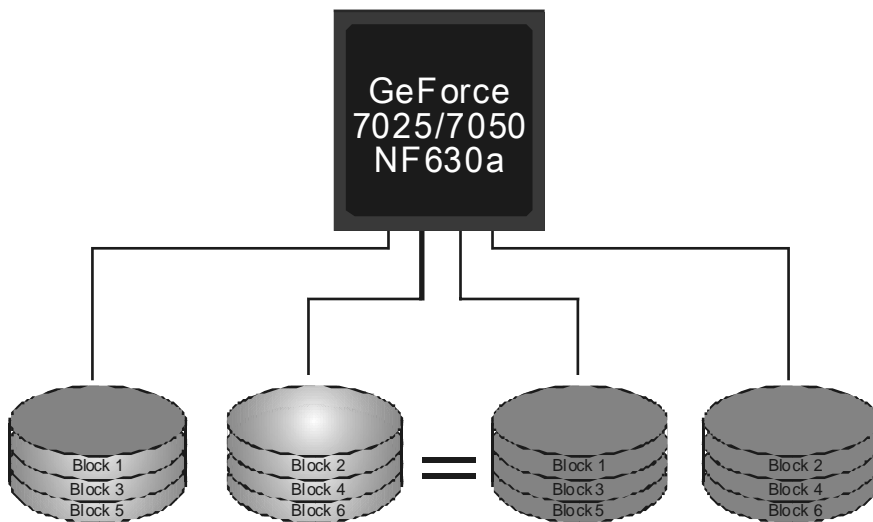


**RAID 0+1:**

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.

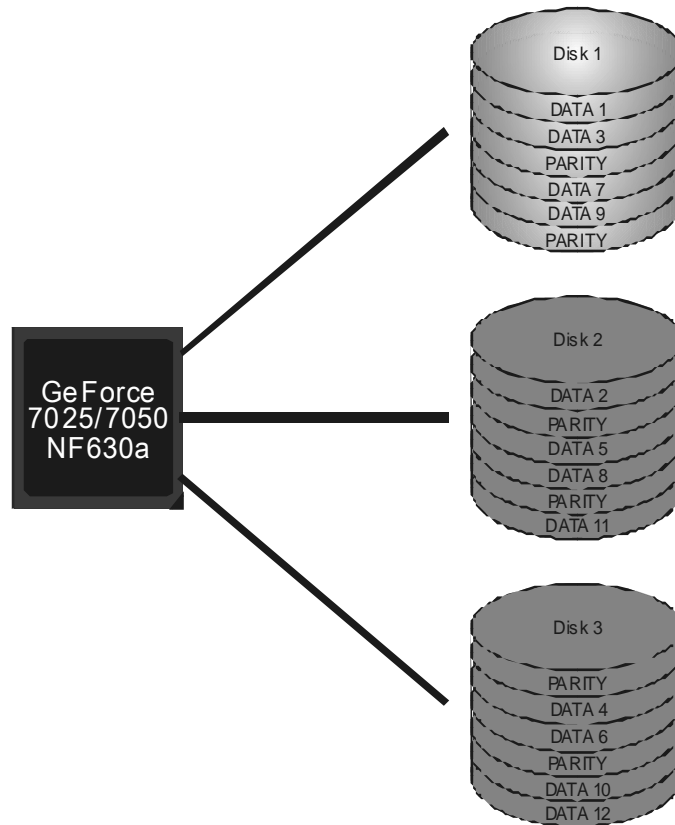


**RAID 5:**

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](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 **SETUPEXE** 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 key board 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**

	<i>GF 7025-M2 TE</i>	<i>GF 7050-M2 SE</i>
CPU	Sockel AM2 AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron Prozessoren Die AMD 64-Architektur unterstützt eine 32-Bit- und 64-Bit-Datenverarbeitung Unterstützt Hyper Transport und Cool'n'Quiet	Sockel AM2 AMD Athlon 64 / Athlon 64 FX / Athlon 64 x2 / Sempron Prozessoren Die AMD 64-Architektur unterstützt eine 32-Bit- und 64-Bit-Datenverarbeitung Unterstützt Hyper Transport und Cool'n'Quiet
FSB	Unterstützt HyperTransport mit einer Bandbreite von bis zu 1 GHz	Unterstützt HyperTransport mit einer Bandbreite von bis zu 1 GHz
Chipsatz	GeForce 7025/NF 630a	GeForce 7050/NF 630a
Super E/A	ITE 8716F Bietet die häufig verwendeten alten Super E/A-Funktionen. Low Pin Court-Schnittstelle Umgebungskontrolle, Hardware-Überwachung Lüfterdrehzahl-Controller "Smart Guardian"-Funktion von ITE	ITE 8716F Bietet die häufig verwendeten alten Super E/A-Funktionen. Low Pin Court-Schnittstelle Umgebungskontrolle, Hardware-Überwachung Lüfterdrehzahl-Controller "Smart Guardian"-Funktion von ITE
Arbeitsspeicher	DDR2 DIMM-Steckplätze x 2 Max. 4GB Arbeitsspeicher Jeder DIMM unterstützt 256MB/512MB/1GB/ 2GB DDR2. Dual-Kanal DDR2 Speichermodul Unterstützt DDR2 533 / 667 / 800 registrierte DIMMs. ECC DIMMs werden nicht unterstützt.	DDR2 DIMM-Steckplätze x 2 Max. 4GB Arbeitsspeicher Jeder DIMM unterstützt 256MB/512MB/1GB/ 2GB DDR2. Dual-Kanal DDR2 Speichermodul Unterstützt DDR2 533 / 667 / 800 registrierte DIMMs. ECC DIMMs werden nicht unterstützt.
Grafik	Integrierter GeForce 7025/NF630a-Chipsatz Max. 512MB gemeinsam benutzter Videospeicher	Integrierter GeForce 7050/NF630a-Chipsatz Max. 512MB gemeinsam benutzter Videospeicher
IDE	Integrierter IDE-Controller Ultra DMA 33 / 66 / 100 / 133 Bus Master-Modus Unterstützt PIO-Modus 0~4,	Integrierter IDE-Controller Ultra DMA 33 / 66 / 100 / 133 Bus Master-Modus Unterstützt PIO-Modus 0~4,
SATA II	Integrierter Serial ATA-Controller Datenübertragungsraten bis zu 3Gb/s Konform mit der SATA-Spezifikation Version 2.0.	Integrierter Serial ATA-Controller Datenübertragungsraten bis zu 3Gb/s Konform mit der SATA-Spezifikation Version 2.0.
LAN	Realtek RTL 8201CL 10 / 100 Mb/s Auto-Negotiation Halb-/Voll-duplex-Funktion	Realtek RTL 8201CL 10 / 100 Mb/s Auto-Negotiation Halb-/Voll-duplex-Funktion

GF7025-M2 TE/GF7050-M2 SE

	GF 7025-M2 TE	GF 7050-M2 SE
Audio-Codec	ALC662 5.1-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-Steckplatz x2 PCI Express x16 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 x3	PS/2-Tastatur x1 PS/2-Maus x1 VGA-Anschluss x1 DVI-D-Anschluss x1 LAN-Anschluss x1 USB-Anschluss x4 Audioanschluss x3
Platinengröße	190 mm (B) X 244 mm (L)	190 mm (B) X 244 mm (L)
Sonderfunktionen	Unterstützt RAID 0 / 1 / 5 / 0+1	Unterstützt RAID 0 / 1 / 5 / 0+1
OS-Unterstützung	Windows XP / VISTA Biostar behält sich das Recht vor, ohne Ankündigung die Unterstützung für ein Betriebssystem hinzuzufügen oder zu entfernen.	Windows XP / VISTA Biostar behält sich das Recht vor, ohne Ankündigung die Unterstützung für ein Betriebssystem hinzuzufügen oder zu entfernen.

**FRANCE**

	<i>GF 7025-M2 TE</i>	<i>GF 7050-M2 SE</i>
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 Cod'nQuiet	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 Cod'nQuiet
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 7025/NF 630a	GeForce 7050/NF 630a
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 "Garden 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 "Garden 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 1 Go / 2 Go 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 1 Go / 2 Go 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 7025/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 8201CL 10 / 100 Mb/s négociation automatique Half / Full duplex capability	Realtek RTL 8201CL 10 / 100 Mb/s négociation automatique Half / Full duplex capability

GF7025-M2 TE/GF7050-M2 SE

	GF7025-M2 TE	GF7050-M2 SE
Codec audio	ALC662 Sortie audio à 5.1 voies Prise en charge de l'audio haute définition	ALC662 Sortie audio à 5.1 voies Prise en charge de l'audio haute définition
Fentes	Fente PCI x2 Slot PCI Express x16 x1	Fente PCI x2 Slot PCI Express x16 x1
Connecteur embarqué	Connecteur de disquette x1 Connecteur de Port d'imprimante x1 Connecteur IDE x1 Connecteur SATA x4 Connecteur du panneau avant x1 Connecteur Audio du panneau avant x1 Connecteur d'entrée CD x1 Connecteur de sortie S/PDIF x1 Embase de ventilateur UC x1 Embase de ventilateur système x1 Embase d'effacement CMOS x1 Connecteur USB x3 Connecteur de Port série x1 Connecteur d'alimentation x1 (24 broches) Connecteur d'alimentation x1 (4 broches)	Connecteur de disquette x1 Connecteur de Port d'imprimante x1 Connecteur IDE x1 Connecteur SATA x4 Connecteur du panneau avant x1 Connecteur Audio du panneau avant x1 Connecteur d'entrée CD x1 Connecteur de sortie S/PDIF x1 Embase de ventilateur UC x1 Embase de ventilateur système x1 Embase d'effacement CMOS x1 Connecteur USB x3 Connecteur de Port série x1 Connecteur d'alimentation x1 (24 broches) Connecteur d'alimentation x1 (4 broches)
E/S du panneau arrière	Clavier PS/2 x1 Souris PS/2 x1 Port VGA x1 Port DVI-D x1 Port LAN x1 Port USB x4 Fiche audio x3	Clavier PS/2 x1 Souris PS/2 x1 Port VGA x1 Port DVI-D x1 Port LAN x1 Port USB x4 Fiche audio x3
Dimensions de la carte	190 mm (l) X 244 mm (H)	190 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
Support SE	Windows XP / VISTA Biostar se réserve le droit d'ajouter ou de supprimer le support de SE avec ou sans préavis.	Windows XP / VISTA Biostar se réserve le droit d'ajouter ou de supprimer le support de SE avec ou sans préavis.

**ITALIAN**

	<i>GF 7025-M2 TE</i>	<i>GF 7050-M2 SE</i>
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 7025/NF 630a	GeForce 7050/NF 630a
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 DDR 2 x 2 Capacità massima della memoria a 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 DDR 2 x 2 Capacità massima della memoria a 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 7025/NF 630a La memoria video condivisa massima è di 512MB	Integrata nel Chipset GeForce 7050/NF 630a 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 8201CL Negoziazione automatica 10 / 100 Mb/s Capacità Half / Full Duplex	Realtek RTL 8201CL Negoziazione automatica 10 / 100 Mb/s Capacità Half / Full Duplex



GF7025-M2 TE/GF7050-M2 SE

	GF7025-M2 TE		GF7050-M2 SE	
Codec audio	ALC662 Uscita audio 5.1 canali Supporto audio High-Definition (HD)		ALC662 Uscita audio 5.1 canali Supporto audio High-Definition (HD)	
Alloggi	Alloggio PCI x2		Alloggio PCI x2	
	Alloggio PCI Express x16 x1		Alloggio PCI Express x16 x1	
Connettori su scheda	Connettore floppy x1		Connettore floppy x1	
	Connettore Porta stampante x1		Connettore Porta stampante x1	
	Connettore IDE x1		Connettore IDE x1	
	Connettore SATA x4		Connettore SATA x4	
	Connettore pannello frontale x1		Connettore pannello frontale x1	
	Connettore audio frontale x1		Connettore audio frontale x1	
	Connettore CD-in x1		Connettore CD-in x1	
	Connettore output SPDIF x1		Connettore output SPDIF x1	
	Collettore ventolina CPU x1		Collettore ventolina CPU x1	
	Collettore ventolina sistema x1		Collettore ventolina sistema x1	
	Collettore cancellazione CMOS x1		Collettore cancellazione CMOS x1	
	Connettore USB x3		Connettore USB x3	
	Connettore Porta seriale x1		Connettore Porta seriale x1	
	Connettore alimentazione (24 pin) x1		Connettore alimentazione (24 pin) x1	
	Connettore alimentazione (4 pin) x1		Connettore alimentazione (4 pin) x1	
I/O pannello posteriore	Tastiera PS/2 x1		Tastiera PS/2 x1	
	Mouse PS/2 x1		Mouse 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	
	Connettore audio x3		Connettore audio x3	
Dimensioni scheda	190 mm (larghezza) x 244 mm (altezza)		190 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 XP / VISTA Biostar si riserva il diritto di aggiungere o rimuovere il supporto di qualsiasi sistema operativo senza preavviso.		Windows XP / VISTA Biostar si riserva il diritto di aggiungere o rimuovere il supporto di qualsiasi sistema operativo senza preavviso.	

**SPANISH**

	<i>GF 7025-M2 TE</i>	<i>GF 7050-M2 SE</i>
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 procesamiento de 32 y 64 bits</p> <p>Soporta las tecnologías Hyper Transport y Cool'nQuiet</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 procesamiento de 32 y 64 bits</p> <p>Soporta las tecnologías Hyper Transport y Cool'nQuiet</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 7025/NF 630a	GeForce 7050/NF 630a
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 "Guarda 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 "Guarda 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 7025/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 8201CL</p> <p>Negociación de 10 / 100 Mb/s</p> <p>Funciones Half / Full dúplex</p>	<p>Realtek RTL 8201CL</p> <p>Negociación de 10 / 100 Mb/s</p> <p>Funciones Half / Full dúplex</p>

GF7025-M2 TE/GF7050-M2 SE

	GF7025-M2 TE		GF7050-M2 SE	
Códecs de sonido	ALC662 Salida de sonido de 5.1 canales Soporte de sonido Alta Definición		ALC662 Salida de sonido de 5.1 canales Soporte de sonido Alta Definición	
Ranuras	Ranura PCI X2	Ranura PCI Express x16 X1	Ranura PCI X2	Ranura PCI Express x16 X1
Conectores en placa	Conector disco flexible X1	Conector Puerto de impresora X1	Conector IDE X1	Conector SATA X4
	Conector de panel frontal X1	Conector de sonido frontal X1	Conector de entrada de CD X1	Conector de salida S/PDIF X1
	Cabecera de ventilador de CPU X1	Cabecera de ventilador de sistema X1	Cabecera de borrado de CMOS X1	Conector USB X3
	Conector USB X3	Conector Puerto serie 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	Ratón PS/2 X1	Puerto VGA X1	Puerto DVI-D X1
	Puerto de red local X1	Puerto USB X4	Conector de sonido X3	
Tamaño de la placa	190 mm. (A) X 244 Mm. (H)		190 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 XP / VISTA Bióstar se reserva el derecho de añadir o retirar el soporte de cualquier SO con o sin aviso previo.		Windows XP / VISTA Bióstar se reserva el derecho de añadir o retirar el soporte de cualquier SO con o sin aviso previo.	

## PORTUGUESE

	<i>GF 7025-M2 TE</i>	<i>GF 7050-M2 SE</i>
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 7025/NF 630a	GeForce 7050/NF 630a
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	Ranhuras 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	Ranhuras 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 7025/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 8201CL Auto negociação de 10 / 100 Mb/s Capacidade semi/full-duplex	Realtek RTL 8201CL Auto negociação de 10 / 100 Mb/s Capacidade semi/full-duplex

GF7025-M2 TE/GF7050-M2 SE

	GF7025-M2 TE	GF7050-M2 SE
Codec de som	ALC662 Saída de áudio de 5.1 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 Express x16 x1	Ranhura PCI x2 Ranhura PCI Express x16 x1
Conectores na placa	Conector da unidade de disquetes x1 Conector da para impressora x1 Conector IDE x1 Conector SATA x4 Conector do painel frontal x1 Conector de áudio frontal x1 Conector para entrada de CDs x1 Conector de saída S/PDIF x1 Conector da ventoinha da CPU x1 Conector da ventoinha do sistema x1 Conector para limpeza do CMOS x1 Conector USB x3 Conector da Porta série x1 Conector de alimentação x1 (24 pinos) Conector de alimentação x1 (4 pinos)	Conector da unidade de disquetes x1 Conector da para impressora x1 Conector IDE x1 Conector SATA x4 Conector do painel frontal x1 Conector de áudio frontal x1 Conector para entrada de CDs x1 Conector de saída S/PDIF x1 Conector da ventoinha da CPU x1 Conector da ventoinha do sistema x1 Conector para limpeza do CMOS x1 Conector USB x3 Conector da Porta série x1 Conector de alimentação x1 (24 pinos) Conector de alimentação x1 (4 pinos)
Entradas/Saídas no painel traseiro	Teclado PS/2 x1 Rato PS/2 x1 Porta VGA x1 Porta DVI-D x1 Porta LAN x1 Porta USB x4 Tomada de áudio x3	Teclado PS/2 x1 Rato PS/2 x1 Porta VGA x1 Porta DVI-D x1 Porta LAN x1 Porta USB x4 Tomada de áudio x3
Tamanho da placa	190 mm (L) X 244 mm (A)	190 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 XP / VISTA A Biostar reserva-se o direito de adicionar ou remover suporte para qualquer sistema operativo com ou sem aviso prévio.	Windows XP / VISTA A Biostar reserva-se o direito de adicionar ou remover suporte para qualquer sistema operativo com ou sem aviso prévio.

**POLISH**

	<i>GF 7025-M2 TE</i>	<i>GF 7050-M2 SE</i>
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'nQuiet	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'nQuiet
FSB	Obsługa HyperTransport o szerokości pasma do 1 GHz	Obsługa HyperTransport o szerokości pasma do 1 GHz
Chipset	GeForce 7025/NF 630a	GeForce 7050/NF 630a
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 Court Funkcje kontroli warunków pracy, Monitor H/W Kontroler prędkości wentylatora Funkcją ITE "Smart Guardian"	ITE 8716F Zapewnia najbardziej powszechne funkcje Super I/O. Interfejs Low Pin Court Funkcje kontroli warunków pracy, Monitor H/W Kontroler prędkości wentylatora Funkcją ITE "Smart Guardian"
Grafika	Zintegrowana w chipsecie GeForce 7025/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 8201CL 10 / 100 Mb/s z automatyczną negocjacją szybkości Działanie w trybie półowicznego / pełnego dupleksu	Realtek RTL 8201CL 10 / 100 Mb/s z automatyczną negocjacją szybkości Działanie w trybie półowicznego / pełnego dupleksu

## GF7025-M2 TE/GF7050-M2 SE

	GF7025-M2 TE		GF7050-M2 SE	
Kodek dźwiękowy	ALC662 5.1 kanałowe wyjście audio Obsługa High-Definition Audio		ALC662 5.1 kanałowe wyjście audio Obsługa High-Definition Audio	
Gniazda	Gniazdb PCI	x2	Gniazdb PCI	x2
	Gniazdb PCI Express x16	x1	Gniazdb PCI Express x16	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 CMOS	x1	Złącze głośnikowe kasowania 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
	Gniazdb audio	x3	Gniazdb audio	x3
Wymiary płyty	190 mm (S) X 244 mm (W)		190 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 XP / VISTA Biostar zastrzega sobie prawo dodawania lub odwoływania obsługi dowolnego systemu operacyjnego bez powiadomienia.		Windows XP / VISTA Biostar zastrzega sobie prawo dodawania lub odwoływania obsługi dowolnego systemu operacyjnego bez powiadomienia.	

## RUSSIAN

	<i>GF 7025-M2 TE</i>	<i>GF 7050-M2 SE</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'nQuiet	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'nQuiet
FSB	Поддержка HyperTransport с пропускной способностью до 1ГГц	Поддержка HyperTransport с пропускной способностью до 1ГГц
Набор микросхем	GeForce 7025/NF 630a	GeForce 7050/NF 630a
Основная память	Слоты DDR2 DIMM x 2 Максимальная ёмкость памяти 4 Гб Каждый модуль DIMM поддерживает 256 МБ / 512 МБ & 1 ГБ / 2 ГБ 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 / 512 МБ & 1 ГБ / 2 ГБ 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 7025/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 "хвояина" шины Ultra DMA 33 / 66 / 100 / 133 Поддержка режима PIO 0~4,	Встроенное устройство управления встроенными интерфейсами устройств Режим "хвояина" 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



## GF7025-M2 TE/GF7050-M2 SE

	GF 7025-M2 TE	GF 7050-M2 SE
Локальная сеть	Realtek RTL 8201CL Автоматическое согласование 10 / 100 Мб/с Частичная / полная дуплексная способность	Realtek RTL 8201CL Автоматическое согласование 10 / 100 Мб/с Частичная / полная дуплексная способность
Звуковой кодек	ALC662 5. 1канальный звуковой выход Звуковая поддержка High-Definition	ALC662 5. 1канальный звуковой выход Звуковая поддержка High-Definition
Слоты	Слот PCI x2 Слот PCI Express x16 x1	Слот PCI x2 Слот PCI Express x16 x1
Встроенный разъём	Разъём НГМД x1 Разъём Порт подключения принтера x1 Разъём IDE x1 Разъём SATA x4 Разъём на лицевой панели x1 Входной звуковой разъём x1 Разъём ввода для CD x1 Разъём вывода для S/PDIF x1 Контактирующее приспособление вентилятора центрального процессора x1 Контактирующее приспособление вентилятора системы x1 Открытое контактирующее приспособление CMOS x1 USB-разъём x3 Разъём Последовательный порт x1 Разъём питания (24 вывод) x1 Разъём питания (4 вывод) x1	Разъём НГМД x1 Разъём Порт подключения принтера x1 Разъём IDE x1 Разъём SATA x4 Разъём на лицевой панели x1 Входной звуковой разъём x1 Разъём ввода для CD x1 Разъём вывода для S/PDIF x1 Контактирующее приспособление вентилятора центрального процессора x1 Контактирующее приспособление вентилятора системы x1 Открытое контактирующее приспособление CMOS x1 USB-разъём x3 Разъём Последовательный порт x1 Разъём питания (24 вывод) x1 Разъём питания (4 вывод) x1
Задняя панель средств ввода-вывода	Клавиатура PS/2 x1 Мышь PS/2 x1 Порт VGA x1 Порт DVI-D x1 Порт LAN x1 USB-порт x4 Гнездо для подключения наушников x3	Клавиатура PS/2 x1 Мышь PS/2 x1 Порт VGA x1 Порт DVI-D x1 Порт LAN x1 USB-порт x4 Гнездо для подключения наушников x3
Размер панели	190 мм (Ш) X 244 мм (В)	190 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 XP / VISTA Biostar сохраняет за собой право добавлять или удалять средства обеспечения для OS с или без предварительного уведомления.	Windows XP / VISTA Biostar сохраняет за собой право добавлять или удалять средства обеспечения для OS с или без предварительного уведомления.

## ARABIC

GF 7050-M2 SE	GF 7025-M2 TE	
AM2 مقبس AMD Athlon 64 / Athlon 64FX / Athlon 64 x2 / Sempron إجراء العطايات لحاسوبية بسوعة 32 و 64 بت AMD 64 يمكن تقنية Hyper Transport و Cod'nQuiet تدعم تقنية	AM2 مقبس AMD Athlon 64 / Athlon 64FX / Athlon 64 x2 / Sempron إجراء العطايات لحاسوبية بسوعة 32 و 64 بت AMD 64 يمكن تقنية Hyper Transport و Cod'nQuiet تدعم تقنية	وحدة لمعالجة المركبة
تردد 1000 بتربديصل إلى HyperTransport تدعم تقنية	تردد 1000 بتربديصل إلى HyperTransport تدعم تقنية	النقل الأمامي لجذبي
GeForce 7050/NF 630a	GeForce 7025/NF 630a	مجموعة لشرايح
عدد 2 فتحة DDR2 DIMM سعة ذاكرة قصوى 4 جيجا بايت ميجا 256/512 سعة DDR2 دعم ذاكرة من نوع DIMM تدعم عمل قحة بليت و 1/2 جيجا بايت مزوجة لفتحة DDR2 وحدة ذاكرة ساعات 800 / 667 / 533 ميجا بايت DDR2 تدعم الذاكرة من نوع ECC ونك التي لا تتوافق مع DIMM لا تدعم رفلق الذاكرة	عدد 2 فتحة DDR2 DIMM سعة ذاكرة قصوى 4 جيجا بايت ميجا 256/512 سعة DDR2 دعم ذاكرة من نوع DIMM تدعم عمل قحة بليت و 1/2 جيجا بايت مزوجة لفتحة DDR2 وحدة ذاكرة ساعات 800 / 667 / 533 ميجا بايت DDR2 تدعم الذاكرة من نوع ECC ونك التي لا تتوافق مع DIMM لا تدعم رفلق الذاكرة	الذاكرة الرئيسية
ITE 8716F الأكثر استخداماً Super I/O توفر وظيفة Low Pin Count Interface تدعم تقنية وسائل لتحكم في لينت: مراقب لمعومة حللة الأجهزة مراقب في سوعة لمروحة ITE من "Smart Guardian" وظيفة	ITE 8716F الأكثر استخداماً Super I/O توفر وظيفة Low Pin Count Interface تدعم تقنية وسائل لتحكم في لينت: مراقب لمعومة حللة الأجهزة مراقب في سوعة لمروحة ITE من "Smart Guardian" وظيفة	Super I/O
GeForce 7050/NF 630a منمجة في رفاق ميجا بايت 512 أقصى سعة لذاكرة لفييو لمشوكة	GeForce 7025/NF 630a منمجة في رفاق ميجا بايت 512 أقصى سعة لذاكرة لفييو لمشوكة	بطاقة الرسومات
متكامل IDE متحكم وضع رئيسي 133 / 100 / 66 / 33 Ultra DMA نقل ببقية PIO Mode 0~4 دعم وضع	متكامل IDE متحكم وضع رئيسي 133 / 100 / 66 / 33 Ultra DMA نقل ببقية PIO Mode 0~4 دعم وضع	منفذ IDE
متكامل Serial ATA متحكم نقل البيانات بسرعات تصل إلى 3 جيجابت/ثانية. 2.0 الإصدار SATA مطابقة للمواصفات	متكامل Serial ATA متحكم نقل البيانات بسرعات تصل إلى 3 جيجابت/ثانية. 2.0 الإصدار SATA مطابقة للمواصفات	SATA II
Realtek RTL 8201CL تقويض قطني 100/10 ميجا بايت /ثانية إمكانية النقل لمزوج الكامل/قصفي	Realtek RTL 8201CL تقويض قطني 100/10 ميجا بايت /ثانية إمكانية النقل لمزوج الكامل/قصفي	شبكة داخلية

## GF7025-M2 TE/GF7050-M2 SE

GF7050-M2 SE	GF7025-M2 TE	
ALC662 قنوات لوج الصوت 1, 5. تدعم تقنية لصوت علي تعريف من	ALC662 قنوات لوج الصوت 1, 5. تدعم تقنية لصوت علي تعريف من	كوديك الصوت
عدد 2 فتحة PCI عدد 1 فتحة PCI Expressx 16	عدد 2 فتحة PCI عدد 1 فتحة PCI Expressx 16	الفتحات
عدد 1 مقعد محرك أقراص مرنة عدد 1 مقعد طابعة عدد 1 مقعد IDE عدد 4 مقعد SATA عدد 1 مقعد اللوحة الأممية عدد 1 مقعد الصوت الأممي عدد 1 مقعد CD-IN عدد 1 مقعد خرج S/PDIF عدد 1 وصلة مروحة وحدة المعالجة المركزية عدد 1 وصلة مروحة للظلم عدد 1 وصلة مسح CMOS عدد 3 مقعد USB عدد 1 مقعد تسلسلي عدد 1 مقعد توصيل الطاقة (24دوس) عدد 1 مقعد توصيل الطاقة (4دبليس)	عدد 1 مقعد محرك أقراص مرنة عدد 1 مقعد طابعة عدد 1 مقعد IDE عدد 4 مقعد SATA عدد 1 مقعد اللوحة الأممية عدد 1 مقعد الصوت الأممي عدد 1 مقعد CD-IN عدد 1 مقعد خرج S/PDIF عدد 1 وصلة مروحة وحدة المعالجة المركزية عدد 1 وصلة مروحة للظلم عدد 1 وصلة مسح CMOS عدد 3 مقعد USB عدد 1 مقعد تسلسلي عدد 1 مقعد توصيل الطاقة (24دوس) عدد 1 مقعد توصيل الطاقة (4دبليس)	المنافذ على سطح اللوحة
عدد 1 لوحة مفاتيح PS/2 عدد 1 مؤس PS/2 عدد 1 منافذ VGA عدد 1 منافذ DVI-D عدد 1 مقعد شبكة لتصل محلية عدد 4 منافذ USB عدد 3 مقيس صوت	عدد 1 لوحة مفاتيح PS/2 عدد 1 مؤس PS/2 عدد 1 منافذ VGA عدد 1 منافذ DVI-D عدد 1 مقعد شبكة لتصل محلية عدد 4 منافذ USB عدد 3 مقيس صوت	منافذ إدخال/خرج اللوحة الخلفية
RAID 0 / 1 / 5 / 0+1 تدعم تقنية	RAID 0 / 1 / 5 / 0+1 تدعم تقنية	مزايا خاصة
190 مم (عرض) X 244 مم (ارتفاع)	190 مم (عرض) X 244 مم (ارتفاع)	حجم اللوحة
Windows XP / VISTA بخطأ في إضفة أو إزالة ادم لبي نظام تشغيل بإخطل أو Biostar تحتفظ بيون إخطل.	Windows XP / VISTA بخطأ في إضفة أو إزالة ادم لبي نظام تشغيل بإخطل أو Biostar تحتفظ بيون إخطل.	دعم أنظمة تشغيل

## JAPANESE

	GF 7025-M2 TE	GF 7050-M2 SE
CPU	Socket AM2 AMDAthlon 64 / Athlon 64 FX / Athlon 64 x2/ Sempron プロセッサ AMD64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 AMDAthlon 64 / Athlon 64 FX / Athlon 64 x2/ Sempron プロセッサ AMD64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 7025/NF 630a	GeForce 7050/NF 630a
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 もっ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 もっ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 7025/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 8201CL 10 / 100 Mb/秒のオート ネゴシエーション 半/全二重機能	Realtek RTL 8201CL 10 / 100 Mb/秒のオート ネゴシエーション 半/全二重機能

## GF7025-M2 TE/GF7050-M2 SE

	GF7025-M2 TE	GF7050-M2 SE
サウンド Codec	ALC662 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	ALC662 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 Express x16スロット x1	PCIスロット x2 PCI Express x16スロット x1
オンボードコ ネクタ	フロッピーコネクタ x1 プリンタポート コネクタ x1 IDEコネクタ x1 SATAコネクタ x4 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 CDインコネクタ x1 S/PDIFアウトコネクタ x1 CPU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 USBコネクタ x3 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 (4ピン) x1	フロッピーコネクタ x1 プリンタポート コネクタ x1 IDEコネクタ x1 SATAコネクタ x4 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 CDインコネクタ x1 S/PDIFアウトコネクタ x1 CPU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 USBコネクタ x3 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 (4ピン) x1
背面パネル I/O	PS/2キーボード x1 PS/2マウス x1 VGAポート x1 DVI-Dポート x1 LANポート x1 USBポート x4 オーディオジャック x3	PS/2キーボード x1 PS/2マウス x1 VGAポート x1 DVI-Dポート x1 LANポート x1 USBポート x4 オーディオジャック x3
ボードサイズ	190 mm (幅) X 244 mm (高さ)	190 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 XP / VISTA Bicstar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 XP / VISTA Bicstar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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