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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
-  User's Manual X 1
-  Fully Setup Driver CD X 1
-  Rear I/O Panel for ATX Case X 1
-  USB 2.0 Cable X1 (optional)
-  Serial ATA Power Cable X 1 (optional)
-  FDD Cable X 1 (optional)
-  Printer Port Cable X 1 (optional)

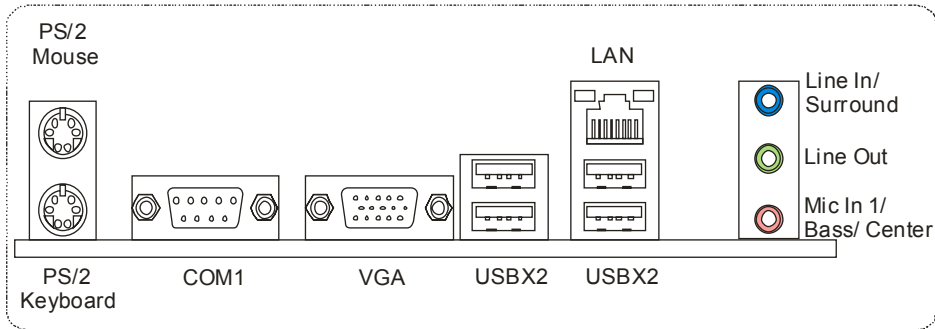
### 1.3 MOTHERBOARD FEATURES

	Ver 5.x	Ver 6.x
CPU	Socket 754 AMD Sempron / Athlon 64 processors Supports Hyper Transport and Cool'nQuiet	Socket 754 AMD Sempron / Athlon 64 processors Supports Hyper Transport and Cool'nQuiet
FSB	Supports up to 800MHz Bandwidth	Supports up to 800MHz Bandwidth
Chipset	MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)
Super I/O	ITE 8712F Provides the most commonly used legacy Super I/O functionality. Low Pin Count Interface	ITE 8712F Provides the most commonly used legacy Super I/O functionality. Low Pin Count Interface
Main Memory	DIMM Slots x 2 Each DIMM supports 256/512MB & 1GB DDR Max Memory Capacity 2GB Single Channel Mode DDR memory module Supports DDR 400 / 333 Registered DIMM and ECC DIMM is not supported	DIMM Slots x 2 Each DIMM supports 256/512MB & 1GB DDR Max Memory Capacity 2GB Single Channel Mode DDR memory module Supports DDR 400 / 333 Registered DIMM and ECC DIMM is not supported
Graphics	Integrated in MCP61S Chipset Max Shared Video Memory is 256MB	Integrated in MCP61S Chipset Max Shared Video Memory is 256MB
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 3.0 Gb/s. SATA Version 2.0 specification compliant.	Integrated Serial ATA Controller Data transfer rates up to 3.0 Gb/s. SATA Version 2.0 specification compliant.
LAN	Realtek 8201CL PHY 10 / 100 Mb/s Auto-Negotiation	Realtek 8201CL PHY 10 / 100 Mb/s Auto-Negotiation
Sound	ALC888 7.1 channels audio out High-Definition Audio support	ALC861VD 5.1 channels audio out High-Definition Audio support

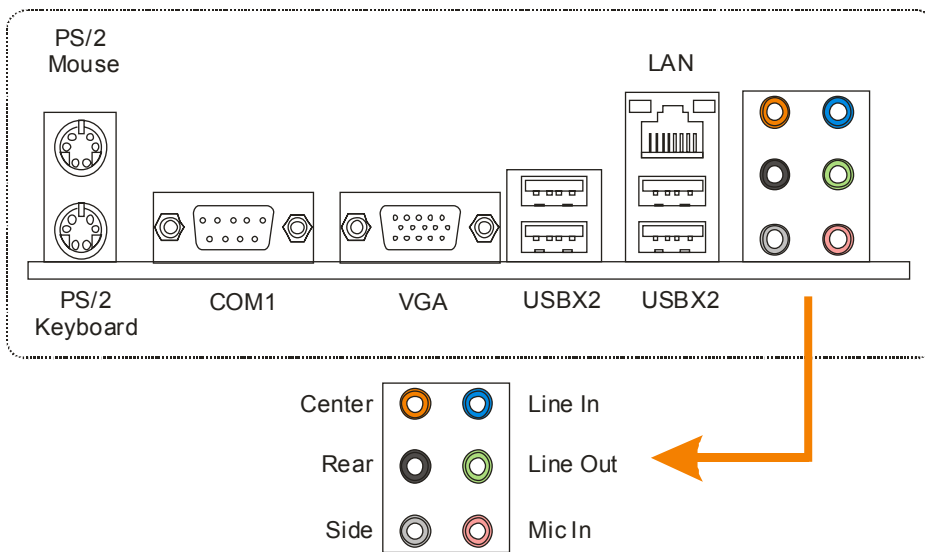
## NF61S Micro 754

		Ver 5.x	Ver 6.x
Slots	PCI slot	x2	x2
	PCI Express x 16 slot (x8 Speed)	x1	x1
	PCI Express x 1 slot	x1	x1
On Board Connector	Floppy connector	x1	x1
	IDE Connector	x1	x1
	SATA2 Connector	x2	x2
	Front Panel Connector	x1	x1
	Front Audio Connector	x1	x1
	CD-in Connector	x1	x1
	CPU Fan header	x1	x1
	System Fan header	x1	x1
	CMOS clear header	x1	x1
	USB connector	x2	x2
	Printer Port Connector	x1	x1
	Chassis open header(Optional)	x1	x1
Power Connector (24pin)	x1	x1	
Power Connector (4pin)	x1	x1	
Back Panel I/O	PS/2 Keyboard	x1	x1
	PS/2 Mouse	x1	x1
	Serial Port	x1	x1
	VGA port	x1	x1
	LAN port	x1	x1
	USB Port	x4	x4
	Audio Jack	x6	x3
Board Size	207 x 244 (mm)		207 x 244 (mm)
Special Features	NVIDIA nTunes RAID 0 / 1 support		NVIDIA nTunes RAID 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.

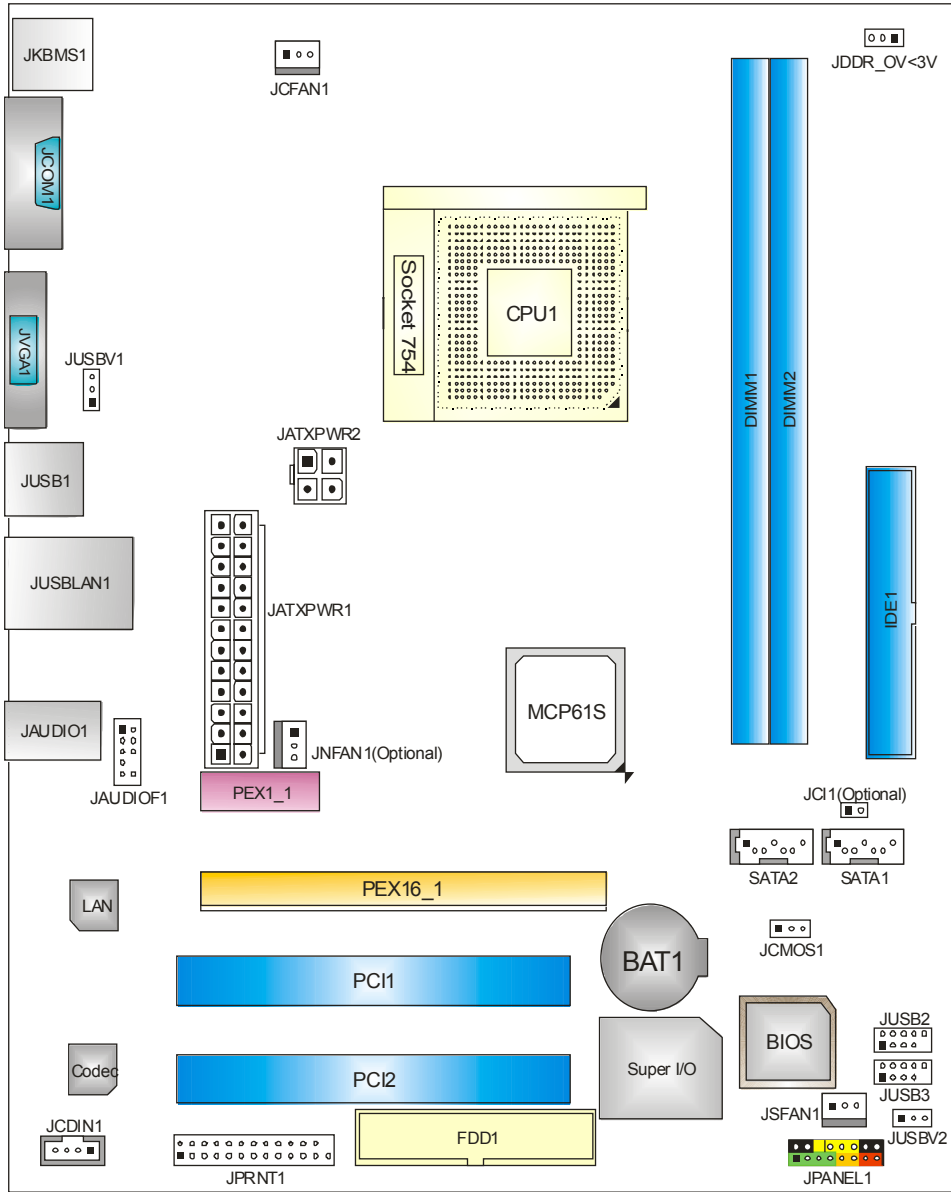
### 1.4 REAR PANEL CONNECTORS (VER 6.x)



### 1.5 REAR PANEL CONNECTORS (VER 5.x)

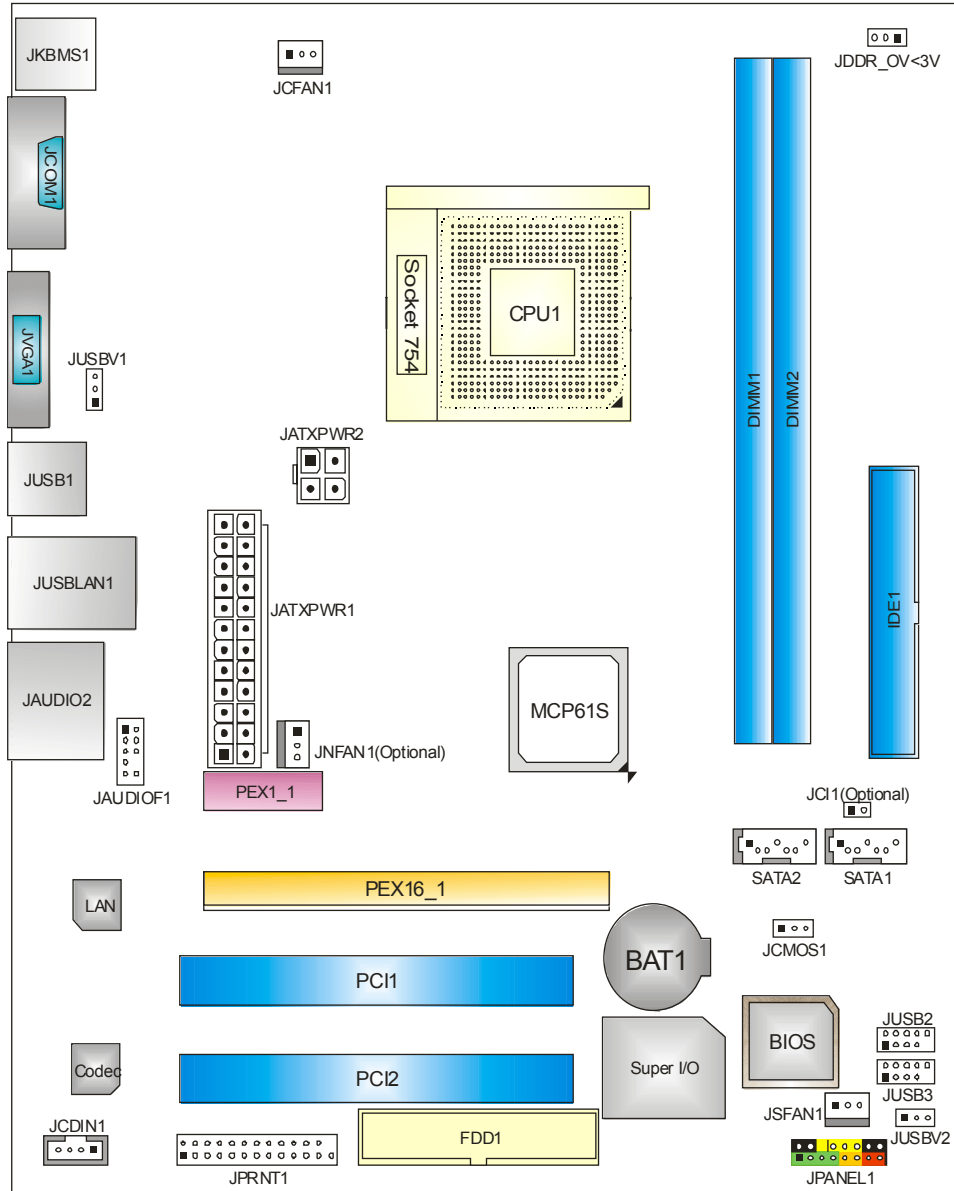


### 1.6 MOTHERBOARD LAYOUT (VER 6.x)



**Note:** ■ represents the 1<sup>st</sup> pin.

## 1.7 MOTHERBOARD LAYOUT (VER 5.X)

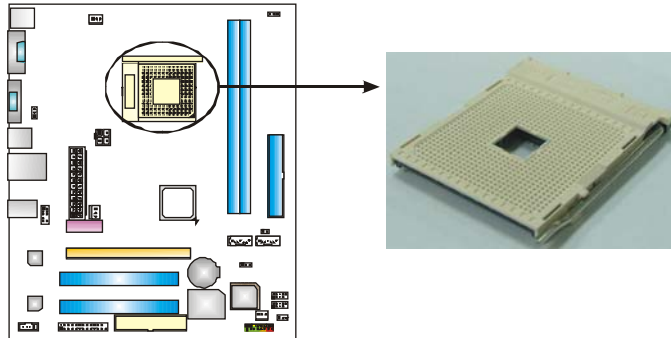


**Note:** ■ represents the 1<sup>st</sup> pin.

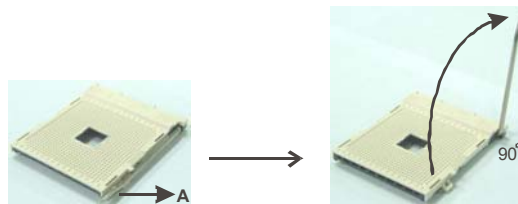


## CHAPTER 2: HARDWARE INSTALLATION

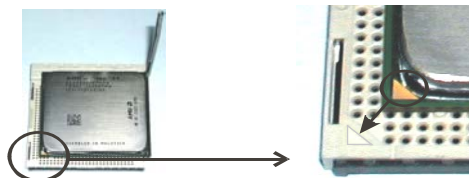
### 2.1 INSTALLING CENTRAL PROCESSING UNIT (CPU)



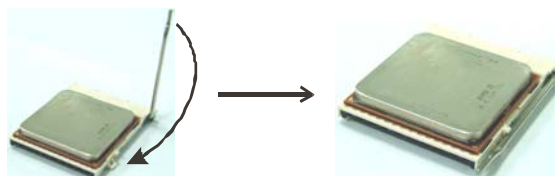
**Step 1:** Pull the lever toward direction A from the socket and then raise the lever up to a 90-degree angle.



**Step 2:** Look for the white triangle on socket, and the gold triangle on CPU should point forwards this white triangle. The CPU will fit only in the correct orientation.



**Step 3:** Hold the CPU down firmly, and then close the lever to complete the installation.



**Step 4:** Put the CPU Fan on the CPU and buckle it. Connect the CPU FAN power cable to the JCFAN1. This completes the installation.

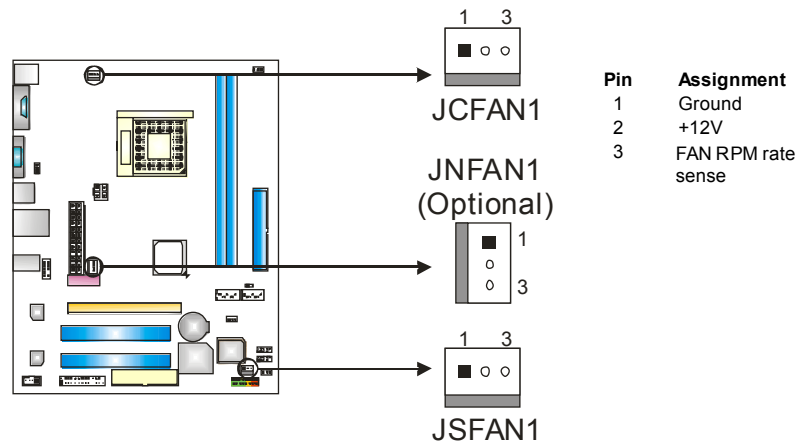
## 2.2 FAN HEADERS

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**

**JSFAN1: System Fan Header**

**JNFAN1: North Bridge Fan Header (Optional)**

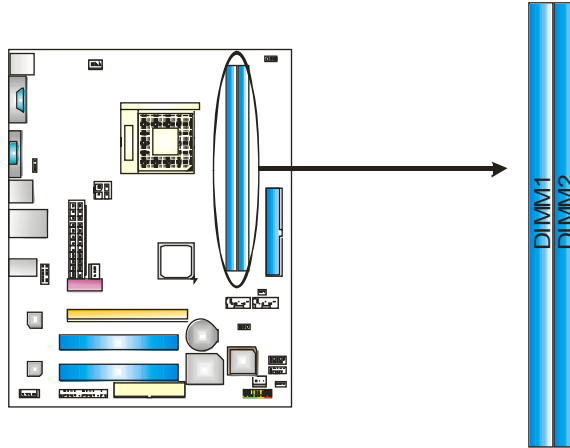


**Note:**

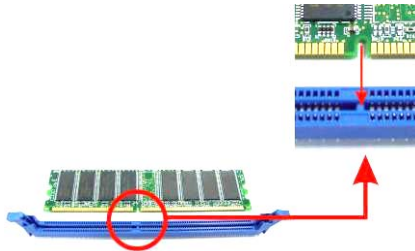
The JCFAN1、JSFAN1 and JNFAN1 support 3-pin head connector. When connecting with wires onto connectors, please note that the red wire is the positive and should be connected to pin#2, and the black wire is Ground and should be connected to GND.

## 2.3 INSTALLING SYSTEM MEMORY

### A. Memory Modules



1. Unlock a DIMM slot by pressing the retaining 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.



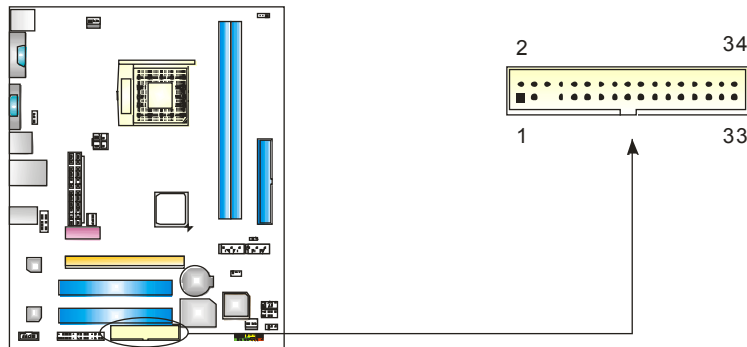
### B. Memory Capacity

DIMM Socket Location	DDR Module	Total Memory Size
DIMM1	256MB/512MB/1024MB *1	Max memory 2GB.
DIMM2	256MB/512MB/1024MB *1	

## 2.4 CONNECTORS AND SLOTS

### FDD1: Floppy Disk Connector

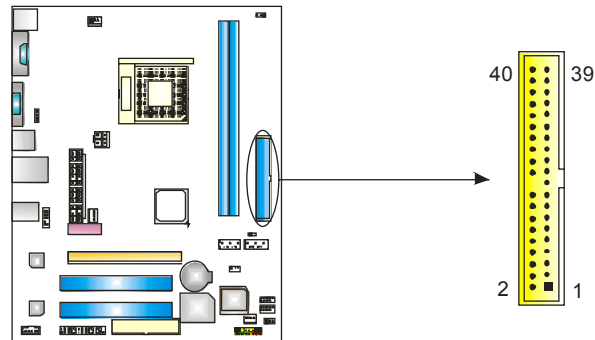
The motherboard provides a standard floppy disk connector that supports 360K, 720K, 1.2M, 1.44M and 2.88M floppy disk types. This connector supports the provided floppy drive ribbon cables.



### IDE1: Hard Disk Connector

The motherboard has a 32-bit Enhanced 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.

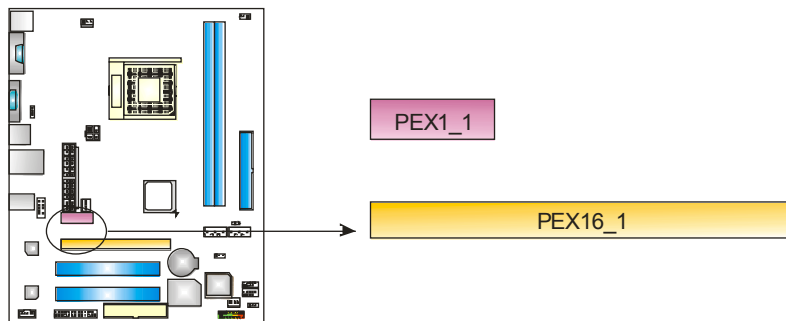


**PEX1\_1: PCI-Express x1 Slot**

- 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.

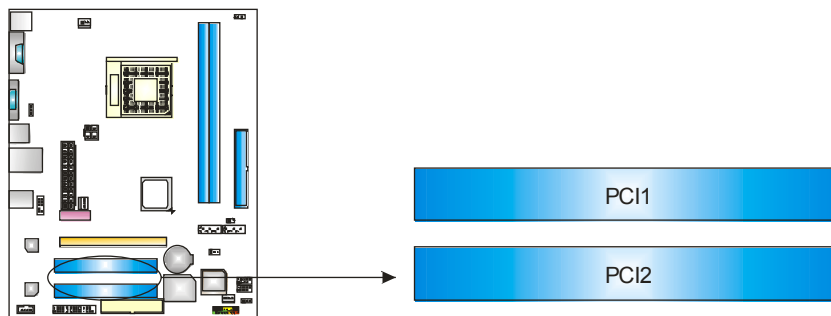
**PEX16\_1: PCI-Express x16 Slot (x8 Speed)**

- PCI-Express 1.0a compliant.
- Maximum theoretical realized bandwidth of 2GB/s simultaneously per direction, for an aggregate of 4GB/s totally.



**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

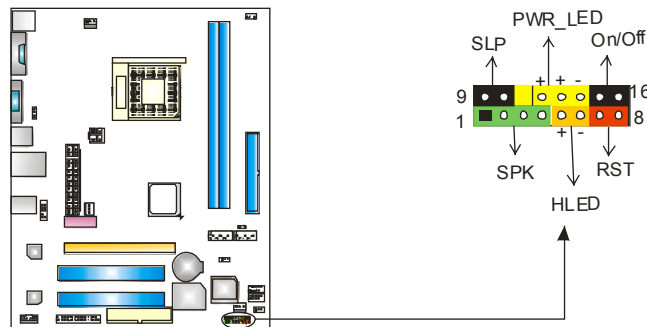
The illustration shows how to set up jumpers. When the jumper cap is placed on pins, the jumper is “close”, if not, that means the jumper is “open”.



### 3.2 DETAIL SETTINGS

#### JPANEL1: Front Panel Header

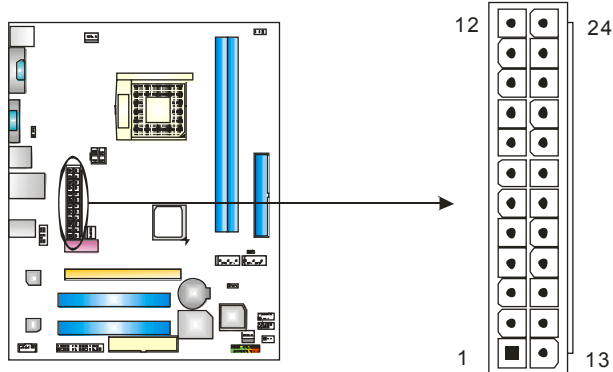
This 16-pin connector includes Power-on, Reset, HDD LED, Power LED, Sleep button and speaker connection. It allows user to connect the PC case's front panel switch functions.



Pin	Assignment	Function	Pin	Assignment	Function
1	+5V	Speaker Connector	9	Sleep control	Sleep button
2	N/A		10	Ground	
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**

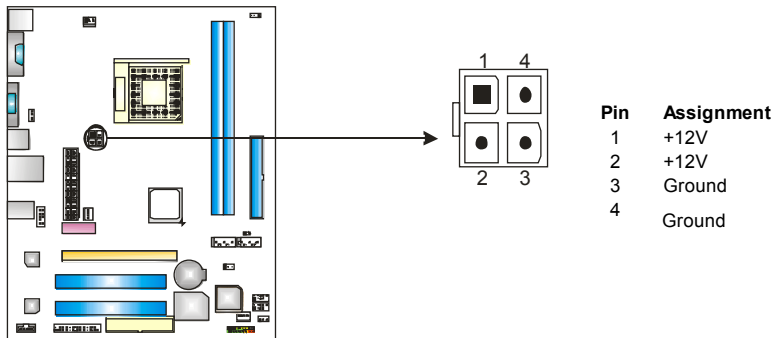
This connector allows user to connect 24-pin power connector on the ATX power supply.



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	Standby Voltage+5V
22	+5V	10	+12V
23	+5V	11	+12V
24	Ground	12	+3.3V

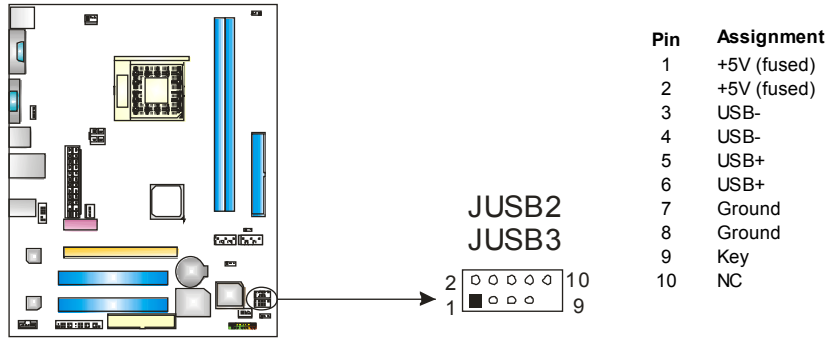
**JATXPWR2: ATX Power Source Connector**

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



### JUSB2/JUSB3: 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.



### JUSBV1/JUSBV2: Power Source Headers for USB Ports

**Pin 1-2 Close:**

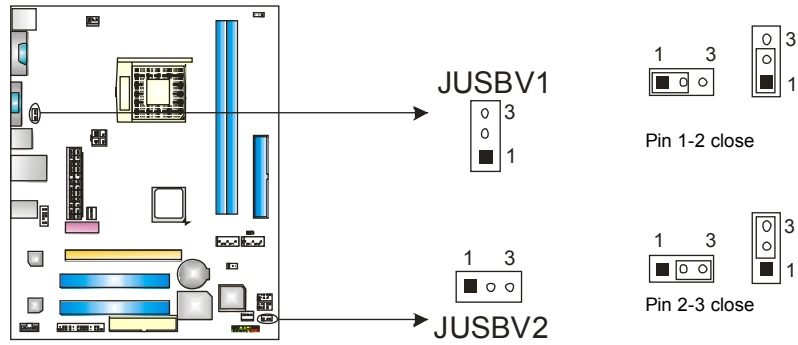
JUSBV1: +5V for USB ports at JUSB1/JUSBLAN1.

JUSBV2: +5V for USB ports at front panel (JUSB2/JUSB3).

**Pin 2-3 Close:**

JUSBV1: USB ports at JUSB1/JUSBLAN1 are powered by +5V standby voltage.

JUSBV2: USB ports at front panel (JUSB2/JUSB3) are powered by +5V standby voltage.



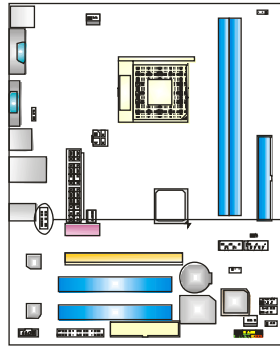
**Note:**

In order to support this function "Power-On system via USB device," "JUSBV1/ JUSBV2" jumper cap should be placed on Pin 2-3 individually.



**JAUDIOF1: Front Panel Audio Header**

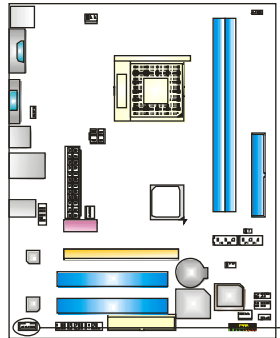
This header allows user to connect the front audio output cable with the PC front panel. It will disable the output on back panel audio connectors.



Pin	Assignment
1	Mic in
2	Ground
3	Mic power
4	Audio power
5	Right line out
6	Ground
7	Reserved
8	Key
9	Left line out
10	Ground

**JCDIN1: CD-ROM Audio-in Connector**

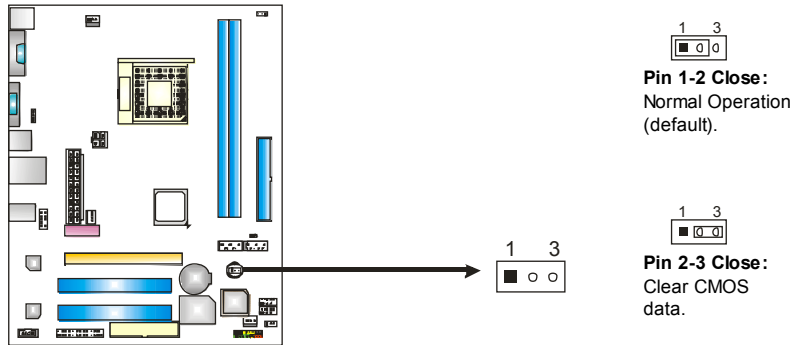
This connector allows user to connect the audio source from the variety devices, like CD-ROM, DVD-ROM, PCI sound card, PCI TV turner card etc.



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

### 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.

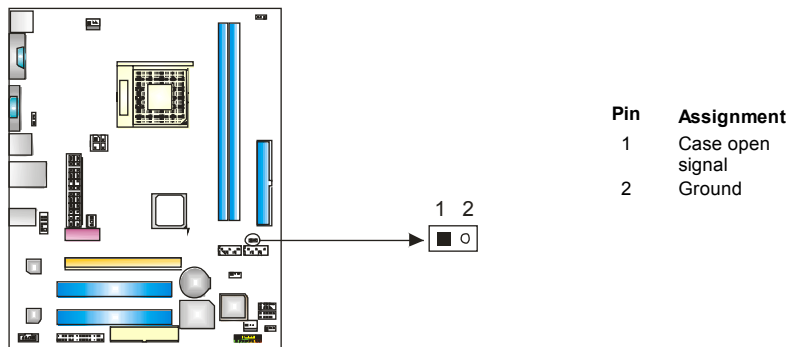


#### ※ Clear CMOS Procedures:

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.

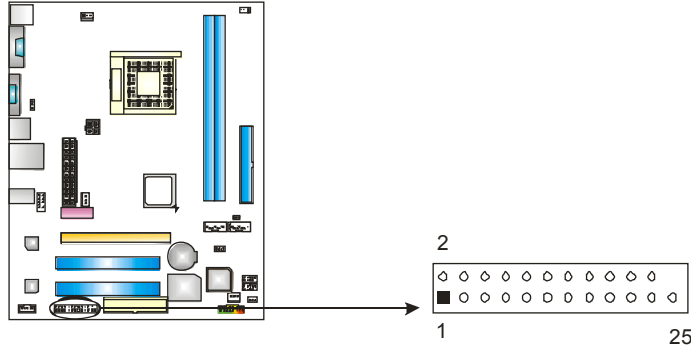
### JCI1: Chassis Open Header (Optional)

This connector allows system to monitor PC case open status. If the signal has been triggered, it will record to the CMOS and show the message on next boot-up.



**JPRNT1: Printer Port Connector**

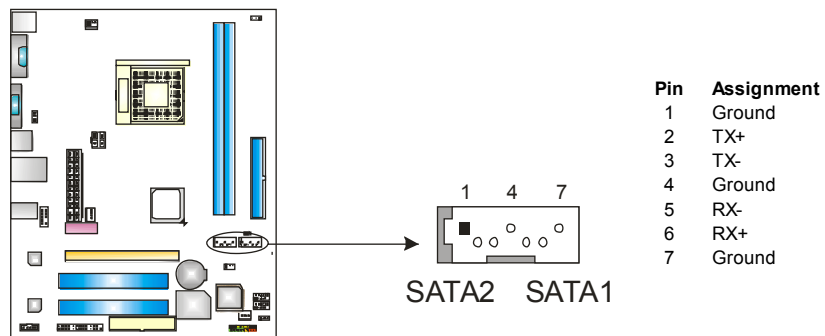
This header allows you to connector printer on the PC.



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

**SATA1~SATA2: Serial ATA Connectors**


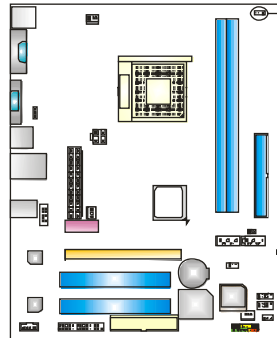
The motherboard has a PCI to SATA Controller with 2 channels SATA interface, it satisfies the SATA 2.0 spec and with transfer rate of 3.0Gb/s.




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

### JDDR\_OV<3V: Header for Memory Over-Voltage

When processing Memory over-voltage, please place the jumper to pin2-3 Closed. The Default setting is Pin 1-2 Closed.



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



Pin 2-3 Close:  
Memory voltage 3.0V.

**Note:**

1. When the jumper cap is placed on Pin 1-2, memory voltage can be manually adjusted in CMOS setup screen.
2. When the jumper cap is placed on Pin 2-3, memory voltage will be fixed at 3.0V automatically, and can't be adjusted under COMS setup.

Before setting memory over-voltage, please ensure that your DDR supports up to 3.0V. (Consult your DDR supplier)

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## 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.

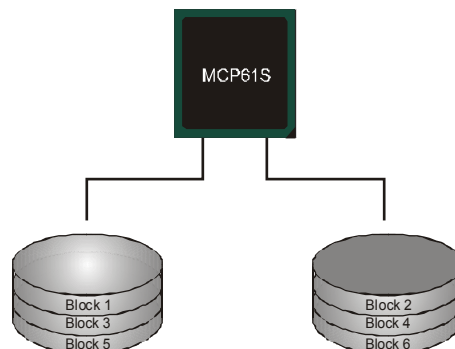
### 4.3 How RAID WORKS

#### **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.

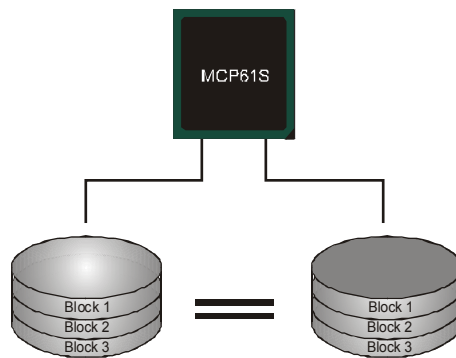


**RAID 1:**

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.



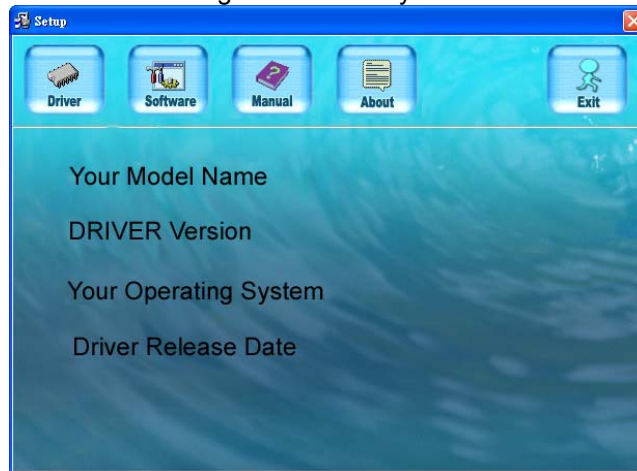
※ For more detailed setup information, please refer to the Driver CD, or go to [http://www.nvidia.com/object/IO\\_28159.html](http://www.nvidia.com/object/IO_28159.html) to download the NVIDIA RAID User's Guide.

## 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 **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>

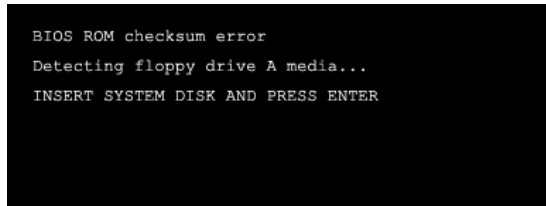
## 5.2 AWARD BIOS BEEP CODE

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

### A. BIOS Update

After you fail to update BIOS or BIOS is invaded by virus, the Boot-Block function will help to restore BIOS. If the following message is shown after boot-up the system, it means the BIOS contents are corrupted.



In this Case, please follow the procedure below to restore the BIOS:

1. Make a bootable floppy disk.
2. Download the Flash Utility "AWDFLASH.exe" from the Biostar website: [www.biostar.com.tw](http://www.biostar.com.tw)
3. Confirm motherboard model and download the respectively BIOS from Biostar website.
4. Copy "AWDFLASH.exe" and respectively BIOS into floppy disk.
5. Insert the bootable disk into floppy drive and press Enter.
6. System will boot-up to DOS prompt.
7. Type "Awdflash xxxx.bf/sn/py/r" in DOS prompt.  
(xxxx means BIOS name.)
8. System will update BIOS automatically and restart.
9. The BIOS has been recovered and will work properly.



### **B. 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
<ol style="list-style-type: none"> <li>1. No power to the system at all. Power light don't illuminate, fan inside power supply does not turn on.</li> <li>2. Indicator light on keyboard does not turn on.</li> </ol>	<ol style="list-style-type: none"> <li>1. Make sure power cable is securely plugged in.</li> <li>2. Replace cable.</li> <li>3. Contact technical support.</li> </ol>
<p>System inoperative. Keyboard lights are on, power indicator lights are lit, and hard drive is spinning.</p>	<p>Using even pressure on both ends of the DIMM, press down firmly until the module snaps into place.</p>
<p>System does not boot from hard disk drive, can be booted from optical drive.</p>	<ol style="list-style-type: none"> <li>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.</li> <li>2. Backing up the hard drive is extremely important. All hard disks are capable of breaking down at any time.</li> </ol>
<p>System only boots from optical drive. Hard disk can be read and applications can be used but booting from hard disk is impossible.</p>	<ol style="list-style-type: none"> <li>1. Back up data and applications files.</li> <li>2. Reformat the hard drive. Re-install applications and data using backup disks.</li> </ol>
<p>Screen message says "Invalid Configuration" or "CMOS Failure."</p>	<p>Review system's equipment. Make sure correct information is in setup.</p>
<p>Cannot boot system after installing second hard drive.</p>	<ol style="list-style-type: none"> <li>1. Set master/slave jumpers correctly.</li> <li>2. Run SETUP program and select correct drive types. Call the drive manufacturers for compatibility with other drives.</li> </ol>

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**APPENDENCIES: SPEC IN OTHER LANGUAGE****GERMAN**

	Ver 5.x	Ver 6.x
CPU	Sockel 754 AMD Athlon 64 / Sempron Prozessoren Unterstützt Hyper Transport und Cool'n'Quiet	Sockel 754 AMD Athlon 64 / Sempron Prozessoren Unterstützt Hyper Transport und Cool'n'Quiet
FSB	Unterstützt HyperTransport mit einer Bandbreite von bis zu 800MHz	Unterstützt HyperTransport mit einer Bandbreite von bis zu 800MHz
Chipsatz	MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)
Super E/A	ITE 8712F Bietet die häufig verwendeten alten Super E/A-Funktionen. Low Pin Count-Schnittstelle	ITE 8712F Bietet die häufig verwendeten alten Super E/A-Funktionen. Low Pin Count-Schnittstelle
Arbeitsspeicher	DDR DIMM-Steckplätze x 2 Jeder DIMM unterstützt 256/512MB & 1GB DDR. Max. 2GB Arbeitsspeicher Ein-Kanal DDR Speichermodul Unterstützt DDR 400 / 333 registrierte DIMMs. ECC DIMMs werden nicht unterstützt.	DDR DIMM-Steckplätze x 2 Jeder DIMM unterstützt 256/512MB & 1GB DDR. Max. 2GB Arbeitsspeicher Ein-Kanal DDR Speichermodul Unterstützt DDR 400 / 333 registrierte DIMMs. ECC DIMMs werden nicht unterstützt.
Grafik	Integrierter MCP61S Chipsatz Max. 256MB gemeinsam benutzter Videospeicher	Integrierter MCP61S Chipsatz Max. 256MB 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 Datentransferrate bis zu 3Gb/s Konform mit der SATA-Spezifikation Version 2.0.	Integrierter Serial ATA-Controller Datentransferrate bis zu 3Gb/s Konform mit der SATA-Spezifikation Version 2.0.
LAN	Realtek 8201CL PHY 10 / 100 Mb/s Auto-Negotiation	Realtek 8201CL PHY 10 / 100 Mb/s Auto-Negotiation
Audio-Codec	ALC888 7.1-Kanal-Audioausgabe Unterstützt High-Definition Audio	ALC861VD 5.1-Kanal-Audioausgabe Unterstützt High-Definition Audio

## NF61S Micro 754

	<b>Ver 5.x</b>		<b>Ver 6.x</b>	
Steckplätze	PCI-Steckplatz	x2	PCI-Steckplatz	x2
	PCI Express x16 Steckplatz (x8)	x1	PCI Express x16 Steckplatz (x8)	x1
	PCI Express x 1-Steckplatz	x1	PCI Express x 1-Steckplatz	x1
Onboard-Anschluss	Diskettenlaufwerkanschluss	x1	Diskettenlaufwerkanschluss	x1
	IDE-Anschluss	x1	IDE-Anschluss	x1
	SATA2-Anschluss	x2	SATA2-Anschluss	x2
	Fronttafelanschluss	x1	Fronttafelanschluss	x1
	Front-Audioanschluss	x1	Front-Audioanschluss	x1
	CD-IN-Anschluss	x1	CD-IN-Anschluss	x1
	CPU-Lüfter-Sockel	x1	CPU-Lüfter-Sockel	x1
	System-Lüfter-Sockel	x1	System-Lüfter-Sockel	x1
	"CMOS löschen"-Sockel	x1	"CMOS löschen"-Sockel	x1
	USB-Anschluss	x2	USB-Anschluss	x2
	Druckeranschluss-Anschluss	x1	Druckeranschluss-Anschluss	x1
"Gehäuse offen"-Sockel(optional)	x1	"Gehäuse offen"-Sockel(optional)	x1	
Stromanschluss (24-polig)	x1	Stromanschluss (24-polig)	x1	
Stromanschluss (4-polig)	x1	Stromanschluss (4-polig)	x1	
Rückseiten-E/A	PS/2-Tastatur	x1	PS/2-Tastatur	x1
	PS/2-Maus	x1	PS/2-Maus	x1
	Serieller Anschluss	x1	Serieller Anschluss	x1
	VGA-Anschluss	x1	VGA-Anschluss	x1
	LAN-Anschluss	x1	LAN-Anschluss	x1
	USB-Anschluss	x4	USB-Anschluss	x4
	Audioanschluss	x6	Audioanschluss	x3
Platinengröße.	207 mm (B) X 244 mm (L)		207 mm (B) X 244 mm (L)	
Sonderfunktionen	NVIDIA nTunes		NVIDIA nTunes	
	Unterstützt RAID 0 / 1		Unterstützt RAID 0 / 1	
OS-Unterstützung	Windows 2000 / XP / VISTA		Windows 2000 / XP / VISTA	
	Biostar behält sich das Recht vor, ohne Ankündigung die Unterstützung für ein Betriebssystem hinzuzufügen oder zu entfernen.		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 754 Processeurs AMD Athlon 64 / Sempron Prend en charge Hyper Transport et Cool'n'Quiet	Socket 754 Processeurs AMD Athlon 64 / Sempron Prend en charge Hyper Transport et Cool'n'Quiet
Bus frontal	Prend en charge Hyper Transport jusqu'à une bande passante de 800MHz	Prend en charge Hyper Transport jusqu'à une bande passante de 800MHz
Chipset	MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)
Super E/S	ITE 8712F Fournit la fonctionnalité de Super E/S patrimoniales la plus utilisée. Interface à faible compte de broches	ITE 8712F Fournit la fonctionnalité de Super E/S patrimoniales la plus utilisée. Interface à faible compte de broches
Mémoire principale	Fentes DDR DIMM x 2 Chaque DIMM prend en charge des DDR de 256/512 Mo et 1Go Capacité mémoire maximale de 2 Go Module de mémoire DDR à mode à simple voie Prend en charge la DDR 400 / 333 Les DIMM à registres et DIMM avec code correcteurs d'erreurs ne sont pas prises en charge	Fentes DDR DIMM x 2 Chaque DIMM prend en charge des DDR de 256/512 Mo et 1Go Capacité mémoire maximale de 2 Go Module de mémoire DDR à mode à simple voie Prend en charge la DDR 400 / 333 Les DIMM à registres et DIMM avec code correcteurs d'erreurs ne sont pas prises en charge
Graphiques	Intégré dans la chipset MCP61S Mémoire vidéo partagée maximale de 256 Mo	Intégré dans la chipset MCP61S Mémoire vidéo partagée maximale de 256 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 8201CL PHY 10 / 100 Mb/s négociation automatique	Realtek 8201CL PHY 10 / 100 Mb/s négociation automatique
Codec audio	ALC888 Sortie audio à 7.1 voies Prise en charge de l'audio haute définition	ALC861VD Sortie audio à 5.1 voies Prise en charge de l'audio haute définition

**NF61S Micro 754**

		<b>Ver 5.x</b>	<b>Ver 6.x</b>
Fentes	Fente PCI	x2	x2
	Slot PCI Express x16 (x8)	x1	x1
	Slot PCI Express x 1	x1	x1
Connecteur embarqué	Connecteur de disquette	x1	x1
	Connecteur IDE	x1	x1
	Connecteur SATA2	x2	x2
	Connecteur du panneau avant	x1	x1
	Connecteur Audio du panneau avant	x1	x1
	Connecteur d'entrée CD	x1	x1
	Embase de ventilateur UC	x1	x1
	Embase de ventilateur système	x1	x1
	Embase d'effacement CMOS	x1	x1
	Connecteur USB	x2	x2
	Connecteur de Port d'imprimante	x1	x1
	Embase d'ouverture de châssis(en option)	x1	x1
	Connecteur d'alimentation (24 broches)	x1	x1
Connecteur d'alimentation (4 broches)	x1	x1	
E/S du panneau arrière	Clavier PS/2	x1	x1
	Souris PS/2	x1	x1
	Port série	x1	x1
	Port VGA	x1	x1
	Port LAN	x1	x1
	Port USB	x4	x4
	Fiche audio	x6	x3
Dimensions de la carte	207 mm (l) X 244 mm (H)	207 mm (l) X 244 mm (H)	
Fonctionnalités spéciales	NVIDIA nTunes Prise en charge RAID 0 / 1	NVIDIA nTunes Prise en charge RAID 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.	

**ITALIAN**

	Ver 5.x	Ver 6.x
CPU	Socket 754 Processori AMD Athlon 64 / Sempron Supporto di Hyper Transport e Cool'n'Quiet	Socket 754 Processori AMD Athlon 64 / Sempron Supporto di Hyper Transport e Cool'n'Quiet
FSB	Supporto di HyperTransport fino a 800MHz di larghezza di banda	Supporto di HyperTransport fino a 800MHz di larghezza di banda
Chipset	MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)
Super I/O	ITE 8712F Fornisce le funzionalità legacy Super I/O usate più comunemente. Interfaccia LPC (Low Pin Count)	ITE 8712F Fornisce le funzionalità legacy Super I/O usate più comunemente. Interfaccia LPC (Low Pin Count)
Memoria principale	Alloggi DIMM DDR x 2 Ciascun DIMM supporta DDR 256/512MB e 1GB Capacità massima della memoria 2GB Modulo di memoria DDR a canale singolo Supporto di DDR 400 / 333 DIMM registrati e DIMM ECC non sono supportati	Alloggi DIMM DDR x 2 Ciascun DIMM supporta DDR 256/512MB e 1GB Capacità massima della memoria 2GB Modulo di memoria DDR a canale singolo Supporto di DDR 400 / 333 DIMM registrati e DIMM ECC non sono supportati
Grafica	Integrata nel Chipset MCP61S La memoria video condivisa massima è di 256MB	Integrata nel Chipset MCP61S La memoria video condivisa massima è di 256MB
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 8201CL PHY Negoziazione automatica 10 / 100 Mb/s	Realtek 8201CL PHY Negoziazione automatica 10 / 100 Mb/s
Codec audio	ALC888 Uscita audio 7.1 canali Supporto audio High-Definition (HD)	ALC861VD Uscita audio 5.1 canali Supporto audio High-Definition (HD)



**NF61S Micro 754**

	<b>Ver 5.x</b>	<b>Ver 6.x</b>
Alloggi	Alloggio PCI x2	Alloggio PCI x2
	Alloggio PCI Express x16 (x8) x1	Alloggio PCI Express x16 (x8) x1
	Alloggio PCI Express x1 x1	Alloggio PCI Express x1 x1
Connettori su scheda	Connettore floppy x1	Connettore floppy x1
	Connettore IDE x1	Connettore IDE x1
	Connettore SATA2 x2	Connettore SATA2 x2
	Connettore pannello frontale x1	Connettore pannello frontale x1
	Connettore audio frontale x1	Connettore audio frontale x1
	Connettore CD-in x1	Connettore CD-in 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 x2	Connettore USB x2
	Connettore Porta stampante x1	Connettore Porta stampante x1
	Collettore apertura telaio(optional) x1	Collettore apertura telaio(optional) 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 seriale x1	Porta seriale x1
	Porta VGA x1	Porta VGA x1
	Porta LAN x1	Porta LAN x1
	Porta USB x4	Porta USB x4
	Connettore audio x6	Connettore audio x3
Dimensioni scheda	207 mm (larghezza) x 244 mm (altezza)	207 mm (larghezza) x 244 mm (altezza)
Caratteristiche speciali	nTunes NVIDIA Supporto RAID 0 / 1	nTunes NVIDIA Supporto RAID 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	Conector 754 Procesadores AMD Athlon 64 / Sempron Soporta las tecnologías Hyper Transport y Cool'n'Quiet	Conector 754 Procesadores AMD Athlon 64 / Sempron Soporta las tecnologías Hyper Transport y Cool'n'Quiet
FSB	Admite HyperTransport con un ancho de banda de hasta 800MHz	Admite HyperTransport con un ancho de banda de hasta 800MHz
Conjunto de chips	MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)
Súper E/S	ITE 8712F Le ofrece las funcionalidades heredadas de uso más común Súper E/S. Interfaz de cuenta Low Pin	ITE 8712F Le ofrece las funcionalidades heredadas de uso más común Súper E/S. Interfaz de cuenta Low Pin
Memoria principal	Ranuras DIMM DDR x 2 Cada DIMM admite DDR de 256/512MB y 1GB Capacidad máxima de memoria de 2GB Módulo de memoria DDR de canal Sencillo Admite DDR de 400 / 333 No admite DIMM registrados o DIMM compatibles con ECC	Ranuras DIMM DDR x 2 Cada DIMM admite DDR de 256/512MB y 1GB Capacidad máxima de memoria de 2GB Módulo de memoria DDR de canal Sencillo Admite DDR de 400 / 333 No admite DIMM registrados o DIMM compatibles con ECC
Gráficos	Integrados en el conjunto de chips MCP61S Memoria máxima de vídeo compartida de 256MB	Integrados en el conjunto de chips MCP61S Memoria máxima de vídeo compartida de 256MB
IDE	Controlador IDE integrado Modo bus maestro Ultra DMA 33 / 66 / 100 / 133 Soporte los Modos PIO 0~4,	Controlador IDE integrado Modo bus maestro Ultra DMA 33 / 66 / 100 / 133 Soporte los Modos PIO 0~4,
SATA II	Controlador ATA Serie Integrado Tasas de transferencia de hasta 3 Gb/s. Compatible con la versión SATA 2.0.	Controlador ATA Serie Integrado Tasas de transferencia de hasta 3 Gb/s. Compatible con la versión SATA 2.0.
Red Local	Realtek 8201CL PHY Negociación de 10 / 100 Mb/s	Realtek 8201CL PHY Negociación de 10 / 100 Mb/s
Códecs de sonido	ALC888 Salida de sonido de 7.1 canales Soporte de sonido Alta Definición	ALC861VD Salida de sonido de 5.1 canales Soporte de sonido Alta Definición

## NF61S Micro 754

		Ver 5.x	Ver 6.x
Ranuras	Ranura PCI	X2	Ranura PCI X2
	Ranura PCI Express x16 (x8)	X1	Ranura PCI Express x16 (x8) 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 IDE	X1	Conector IDE X1
	Conector SATA2	X2	Conector SATA2 X2
	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
	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	X2	Conector USB X2
	Conector Puerto de impresora	X1	Conector Puerto de impresora X1
	Cabecera de chasis abierto(opcional)	X1	Cabecera de chasis abierto(opcional) 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 serie	X1	Puerto serie X1
	Puerto VGA	X1	Puerto VGA 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	207 mm. (A) X 244 Mm. (H)		207 mm. (A) X 244 Mm. (H)
Funciones especiales	NVIDIA nTunes Admite RAID 0 / 1		NVIDIA nTunes Admite RAID 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 754 Processadores AMD Athlon 64 / Sempron Suporta as tecnologias Hyper Transport e Cool'n'Quiet	Socket 754 Processadores AMD Athlon 64 / Sempron Suporta as tecnologias Hyper Transport e Cool'n'Quiet
FSB	Suporta a tecnologia HyperTransport com uma largura de banda até 800MHz	Suporta a tecnologia HyperTransport com uma largura de banda até 800MHz
Chipset	MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)
Especificação do Super I/O	ITE 8712F Proporciona as funcionalidades mais utilizadas em termos da especificação Super I/O. Interface LPC (Low Pin Count).	ITE 8712F Proporciona as funcionalidades mais utilizadas em termos da especificação Super I/O. Interface LPC (Low Pin Count).
Memória principal	Ranuras DIMM DDR x 2 Cada módulo DIMM suporta uma memória DDR de 256/512 MB & 1 GB Capacidade máxima de memória: 2 GB Módulo de memória DDR de canal simples Suporta módulos DDR 400 / 333 Os módulos DIMM registados e os DIMM ECC não são suportados	Ranuras DIMM DDR x 2 Cada módulo DIMM suporta uma memória DDR de 256/512 MB & 1 GB Capacidade máxima de memória: 2 GB Módulo de memória DDR de canal simples Suporta módulos DDR 400 / 333 Os módulos DIMM registados e os DIMM ECC não são suportados
Placa gráfica	Integrada no chipset MCP61S Memória de vídeo máxima partilhada: 256 MB	Integrada no chipset MCP61S Memória de vídeo máxima partilhada: 256 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 8201CL PHY Auto negociação de 10 / 100 Mb/s	Realtek 8201CL PHY Auto negociação de 10 / 100 Mb/s
Codec de som	ALC888 Saída de áudio de 7.1 canais Suporta a especificação High-Definition Audio	ALC861VD Saída de áudio de 5.1 canais Suporta a especificação High-Definition Audio
Ranuras	Ranura PCI x2 Ranura PCI Express x16 (x8) x1 Ranura PCI Express x 1 x1	Ranura PCI x2 Ranura PCI Express x16 (x8) x1 Ranura PCI Express x 1 x1

## NF61S Micro 754

Ver 5.x		Ver 6.x		
Conectores na placa	Conector da unidade de disquetes	x1	Conector da unidade de disquetes	x1
	Conector IDE	x1	Conector IDE	x1
	Conector SATA2	x2	Conector SATA2	x2
	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 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	x2	Conector USB	x2
	Conector da para impressora	x1	Conector da para impressora	x1
	Conector para detecção da abertura do chassis(opcional)	x1	Conector para detecção da abertura do chassis(opcional)	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
Rato PS/2		x1	Rato PS/2	x1
Porta série		x1	Porta série	x1
Porta VGA		x1	Porta VGA	x1
Porta LAN		x1	Porta LAN	x1
Porta USB		x4	Porta USB	x4
Tomada de áudio		x6	Tomada de áudio	x3
Tamanho da placa	207 mm (L) X 244 mm (A)		207 mm (L) X 244 mm (A)	
Características especiais	nTunes da NVIDIA Suporta as funções RAID 0 / 1		nTunes da NVIDIA Suporta as funções RAID 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 754 AMD Athlon 64 / Sempron Procesory Obsługa Hyper Transport oraz Cool'n'Quiet	Socket 754 AMD Athlon 64 / Sempron Procesory Obsługa Hyper Transport oraz Cool'n'Quiet
FSB	Obsługa HyperTransport o szerokości pasma do 800MHz	Obsługa HyperTransport o szerokości pasma do 800MHz
Chipset	MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)
Pamięć główna	Gniazda DDR DIMM x 2 Każde gniazdo DIMM obsługuje moduły 256/512MB oraz 1GB DDR Maks. wielkość pamięci 2GB Moduł pamięci DDR z trybem pojedynczego kanału Obsługa DDR 400 / 333 Brak obsługi Registered DIMM oraz ECC DIMM	Gniazda DDR DIMM x 2 Każde gniazdo DIMM obsługuje moduły 256/512MB oraz 1GB DDR Maks. wielkość pamięci 2GB Moduł pamięci DDR z trybem pojedynczego kanału Obsługa DDR 400 / 333 Brak obsługi Registered DIMM oraz ECC DIMM
Super I/O	ITE 8712F Zapewnia najbardziej powszechne funkcje Super I/O. Interfejs Low Pin Count	ITE 8712F Zapewnia najbardziej powszechne funkcje Super I/O. Interfejs Low Pin Count
Grafika	Zintegrowana w chipsecie MCP61S Maks. wielkość współdzielonej pamięci video wynosi 256MB	Zintegrowana w chipsecie MCP61S Maks. wielkość współdzielonej pamięci video wynosi 256MB
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 8201CL PHY 10 / 100 Mb/s z automatyczną negocjacją szybkości	Realtek 8201CL PHY 10 / 100 Mb/s z automatyczną negocjacją szybkości
Kodek dźwiękowy	ALC888 7.1 kanałowe wyjście audio Obsługa High-Definition Audio	ALC861VD 5.1 kanałowe wyjście audio Obsługa High-Definition Audio
Gniazda	Gniazdo PCI x2 Gniazdo PCI Express x16 (x8) x1 Gniazdo PCI Express x 1 x1	Gniazdo PCI x2 Gniazdo PCI Express x16 (x8) x1 Gniazdo PCI Express x 1 x1

**NF61S Micro 754**

		<b>Ver 5.x</b>	<b>Ver 6.x</b>
Złącza wbudowane	Złącze napędu dyskietek	x1	Złącze napędu dyskietek x1
	Złącze IDE	x1	Złącze IDE x1
	Złącze SATA2	x2	Złącze SATA2 x2
	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 główkowe wentylatora procesora	x1	Złącze główkowe wentylatora procesora x1
	Złącze główkowe wentylatora systemowego	x1	Złącze główkowe wentylatora systemowego x1
	Złącze główkowe kasowania CMOS	x1	Złącze główkowe kasowania CMOS x1
	Złącze USB	x2	Złącze USB x2
	Złącze Port drukarki	x1	Złącze Port drukarki x1
	Złącze główkowe otwarcia obudowy(opcja)	x1	Złącze główkowe otwarcia obudowy(opcja) 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 szeregowy	x1	Port szeregowy x1
	Port VGA	x1	Port VGA x1
	Port LAN	x1	Port LAN x1
	Port USB	x4	Port USB x4
	Gniazdo audio	x6	Gniazdo audio x3
Wymiary płyty	207 mm (S) X 244 mm (W)		207 mm (S) X 244 mm (W)
Funkcje specjalne	NVIDIA nTunes. Obsługa RAID 0 / 1		NVIDIA nTunes. Obsługa RAID 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**

	Ver 5.x	Ver 6.x
CPU (центральный процессор)	Гнездо 754 Процессоры AMD Athlon 64 / Sempron Поддержка Hyper Transport и Cool'n'Quiet	Гнездо 754 Процессоры AMD Athlon 64 / Sempron Поддержка Hyper Transport и Cool'n'Quiet
FSB	Поддержка HyperTransport с пропускной способностью до 800МГц	Поддержка HyperTransport с пропускной способностью до 800МГц
Набор микросхем	MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)
Основная память	Слоты DDR DIMM x 2 Каждый модуль DIMM поддерживает 256/512МБ & 1ГБ DDR Максимальная ёмкость памяти 2 ГБ Модуль памяти с одноканальным режимом DDR Поддержка DDR 400 / 333 Не поддерживает зарегистрированные модули DIMM and ECC DIMM	Слоты DDR DIMM x 2 Каждый модуль DIMM поддерживает 256/512МБ & 1ГБ DDR Максимальная ёмкость памяти 2 ГБ Модуль памяти с одноканальным режимом DDR Поддержка DDR 400 / 333 Не поддерживает зарегистрированные модули DIMM and ECC DIMM
Super I/O	ITE 8712F Обеспечивает наиболее используемые действующие функциональные возможности Super I/O. Интерфейс с низким количеством выводов	ITE 8712F Обеспечивает наиболее используемые действующие функциональные возможности Super I/O. Интерфейс с низким количеством выводов
Графика	Встроенная в набор микросхем MCP61S Максимальная совместно используемая видео память составляет 256 МБ	Встроенная в набор микросхем MCP61S Максимальная совместно используемая видео память составляет 256 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 8201CL PHY Автоматическое согласование 10 / 100 Мб/с	Realtek 8201CL PHY Автоматическое согласование 10 / 100 Мб/с
Звуковой кодек	ALC888 7.1канальный звуковой выход Звуковая поддержка High-Definition	ALC861VD 5.1канальный звуковой выход Звуковая поддержка High-Definition



**NF61S Micro 754**

		<b>Ver 5.x</b>		<b>Ver 6.x</b>	
Слоты	Слот PCI	x2	Слот PCI	x2	
	Слот PCI Express x16 (x8)	x1	Слот PCI Express x16 (x8)	x1	
	Слот PCI Express x 1	x1	Слот PCI Express x 1	x1	
Встроенный разъём	Разъём НГМД	x1	Разъём НГМД	x1	
	Разъём IDE	x1	Разъём IDE	x1	
	Разъём SATA2	x2	Разъём SATA2	x2	
	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	
	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	x2	USB-разъём	x2	
	Разъём Порт подключения принтера	x1	Разъём Порт подключения принтера	x1	
	Шасси открытого контактирующего приспособления(дополнительно)	x1	Шасси открытого контактирующего приспособления(дополнительно)	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	
Последовательный порт		x1	Последовательный порт	x1	
Порт VGA		x1	Порт VGA	x1	
Порт LAN		x1	Порт LAN	x1	
USB-порт		x4	USB-порт	x4	
Размер панели	Гнездо для подключения наушников	x6	Гнездо для подключения наушников	x3	
	207 мм (Ш) X 244 мм (В)		207 мм (Ш) X 244 мм (В)		
Специальные технические характеристики	NVIDIA nTunes		NVIDIA nTunes		
	Поддержка RAID 0 / 1		Поддержка RAID 0 / 1		
Поддержка OS	Windows 2000 / XP / VISTA		Windows 2000 / XP / VISTA		
	Biostar сохраняет за собой право добавлять или удалять средства обеспечения для OS с или без предварительного уведомления.		Biostar сохраняет за собой право добавлять или удалять средства обеспечения для OS с или без предварительного уведомления.		

## ARABIC

Ver 6.x	Ver 5.x	
754 مقيس AMD Athlon 64 / Sempron معالجات Cool'n'Quiet و Hyper Transport تدعم تقنية	754 مقيس AMD Athlon 64 / Sempron معالجات Cool'n'Quiet و Hyper Transport تدعم تقنية	وحدة المعالجة المركزية
تردد 800 يتردد يصل إلى HyperTransport تدعم تقنية	تردد 800 يتردد يصل إلى HyperTransport تدعم تقنية	النقل الأمامي الجانبي
MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)	مجموعة الشرائح
عدد 2 قناة DDR DIMM 256/512 سعة DDR تدعم ذاكرة من نوع DIMM كل قناة ميغا بايت و 1 جيجا بايت سعة ذاكرة قصوى 2 جيجا بايت لحماية القناة DDR وحدة ذاكرة سعة 333 / 400 ميجا بايت DDR تدعم الذاكرة من نوع ECC وتلك التي لا تتوافق مع DIMM لا تدعم رقائق الذاكرة	عدد 2 قناة DDR DIMM 256/512 سعة DDR تدعم ذاكرة من نوع DIMM كل قناة ميغا بايت و 1 جيجا بايت سعة ذاكرة قصوى 2 جيجا بايت لحماية القناة DDR وحدة ذاكرة سعة 333 / 400 ميجا بايت DDR تدعم الذاكرة من نوع ECC وتلك التي لا تتوافق مع DIMM لا تدعم رقائق الذاكرة	الذاكرة الرئيسية
ITE 8712F الأكثر استخداماً. Super I/O يوفر وظيفة Low Pin Count Interface تدعم تقنية	ITE 8712F الأكثر استخداماً. Super I/O يوفر وظيفة Low Pin Count Interface تدعم تقنية	Super I/O
ميغا بايت 256 أقصى سعة لذاكرة الفيديو المشتركة MCP61S مدمجة في رقائق	ميغا بايت 256 أقصى سعة لذاكرة الفيديو المشتركة MCP61S مدمجة في رقائق	بطاقة الرسومات
متكامل IDE متحكم Ultra DMA 33 / 66 / 100 / 133 نقل بتقنية وضع رئيسي PIO Mode 0 ~ 4 دعم وضع	متكامل IDE متحكم Ultra DMA 33 / 66 / 100 / 133 نقل بتقنية وضع رئيسي 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 8201CL PHY تفاوض تلقائي 100/10 ميجا بايت / ثنائي جيجا بايت/ثاني	Realtek 8201CL PHY تفاوض تلقائي 100/10 ميجا بايت / ثنائي جيجا بايت/ثاني	شبكة داخلية
ALC861VD قوت لخرج الصوت 5.1 تدعم تقنية الصوت عالي التعريف من	ALC888 قوت لخرج الصوت 7.1 تدعم تقنية الصوت عالي التعريف من	كوديك الصوت

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Ver 6.x	Ver 5.x	
عدد 2	عدد 2	الفتحات
قحة PCI	قحة PCI	
عدد 1	عدد 1	
قحة (x8) PCI Express x16	قحة (x8) PCI Express x16	
عدد 1	عدد 1	
قحة PCI Express x1	قحة PCI Express x1	
عدد 1	عدد 1	المنفذ على سطح اللوحة
منفذ محرك أقراص مرنة	منفذ محرك أقراص مرنة	
عدد 1	عدد 1	
منفذ IDE	منفذ IDE	
عدد 1	عدد 1	
منفذ SATA	منفذ SATA	
عدد 2	عدد 2	
منفذ SATA	منفذ SATA	
عدد 1	عدد 1	
منفذ اللوحة الأممية	منفذ اللوحة الأممية	
عدد 1	عدد 1	
منفذ الصوت الأممي	منفذ الصوت الأممي	
عدد 1	عدد 1	
منفذ CD-IN	منفذ CD-IN	
عدد 1	عدد 1	
وصلة مروحة وحدة المعالجة المركزية	وصلة مروحة وحدة المعالجة المركزية	
عدد 1	عدد 1	
وصلة مروحة النظام	وصلة مروحة النظام	
عدد 1	عدد 1	
وصلة مسح CMOS	وصلة مسح CMOS	
عدد 1	عدد 1	
منفذ USB	منفذ USB	
عدد 2	عدد 2	
منفذ طباعة	منفذ طباعة	
عدد 1	عدد 1	
وصلة فتح الهيكل (اختياري)	وصلة فتح الهيكل (اختياري)	
عدد 1	عدد 1	
منفذ توصيل الطاقة (24 دبوس)	منفذ توصيل الطاقة (24 دبوس)	
عدد 1	عدد 1	
منفذ توصيل الطاقة (4 دبوس)	منفذ توصيل الطاقة (4 دبوس)	
عدد 1	عدد 1	
عدد 1	عدد 1	منفذ دخل/خرج اللوحة الخلفية
لوحة مفاتيح PS/2	لوحة مفاتيح PS/2	
عدد 1	عدد 1	
مؤس PS/2	مؤس PS/2	
عدد 1	عدد 1	
منفذ تنسلسلي	منفذ تنسلسلي	
عدد 1	عدد 1	
منفذ VGA	منفذ VGA	
عدد 1	عدد 1	
منفذ شبكة اتصال محلية	منفذ شبكة اتصال محلية	
عدد 1	عدد 1	
منافذ USB	منافذ USB	
عدد 4	عدد 4	
مقيس صوت	مقيس صوت	
عدد 3	عدد 6	
NVIDIA nTunes	NVIDIA nTunes	مزيا خاصة
RAID 0 / 1 دعم تقنية	RAID 0 / 1 دعم تقنية	
207 مم (عرض) X 244 مم (ارتفاع)	207 مم (عرض) X 244 مم (ارتفاع)	حجم اللوحة
Windows 2000 / XP / VISTA	Windows 2000 / XP / VISTA	دعم أنظمة التشغيل
يحفظها في إضافة أو إزالة الدعم لأي نظام تشغيل بإخطار Biostar	يحفظها في إضافة أو إزالة الدعم لأي نظام تشغيل بإخطار Biostar	أو بدون إخطار
أو بدون إخطار		

## JAPANESE

	Ver 5.x	Ver 6.x
CPU	Socket 754 AMD Athlon 64 / Sempron プロセッサ 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-トします	Socket 754 AMD Athlon 64 / Sempron プロセッサ 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-トします
FSB	800MHzのバンド幅までハイパートランスポートをサポ-トします	800MHzのバンド幅までハイパートランスポートをサポ-トします
チップセット	MCP61S (GeForce 6100-405)	MCP61S (GeForce 6100-405)
メインメモリ	DDR DIMMスロット x 2 各DIMMは 256/512MB & 1GB DDRをサポ-ト 最大メモリ容量2GB シングル チャンネルモードDDRメモリモジュール DDR 400 / 333をサポ-ト 登録済みDIMMとECC DIMMはサポ-トされません	DDR DIMMスロット x 2 各DIMMは 256/512MB & 1GB DDRをサポ-ト 最大メモリ容量2GB シングル チャンネルモードDDRメモリモジュール DDR 400 / 333をサポ-ト 登録済みDIMMとECC DIMMはサポ-トされません
Super I/O	ITE 8712F 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	ITE 8712F 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
グラフィックス	MCP61Sチップセットに統合 最大の共有ビデオメモリは256MBです	MCP61Sチップセットに統合 最大の共有ビデオメモリは256MB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-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-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 8201CL PHY 10 / 100 Mb/秒のオートネゴシエーション	Realtek 8201CL PHY 10 / 100 Mb/秒のオートネゴシエーション
サウンド Codec	ALC888 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-ト	ALC861VD 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-ト

## NF61S Micro 754

		Ver 5.x	Ver 6.x
スロット	PCIスロット	x2	PCIスロット x2
	PCI Express x16スロット (x8)	x1	PCI Express x16スロット (x8) 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
	IDEコネクタ	x1	IDEコネクタ x1
	SATAコネクタ	x2	SATAコネクタ x2
	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
	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	x2	USBコネクタ x2
	プリンタポートコネクタ	x1	プリンタポートコネクタ x1
シャーシオープンヘッダ(オプション)	x1	シャーシオープンヘッダ(オプション) 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
	シリアルポート	x1	シリアルポート x1
	VGAポート	x1	VGA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	207 mm (幅) X 244 mm (高さ)		207 mm (幅) X 244 mm (高さ)
特殊機能	NVIDIA nTunes RAID 0 / 1 のサポート		NVIDIA nTunes RAID 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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