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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
- ✦ Rear I/O Panel for ATX Case X 1
- ✦ User's Manual X 1
- ✦ Fully Setup Driver CD X 1
- ✦ Serial ATA Cable X 1
- ✦ 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.

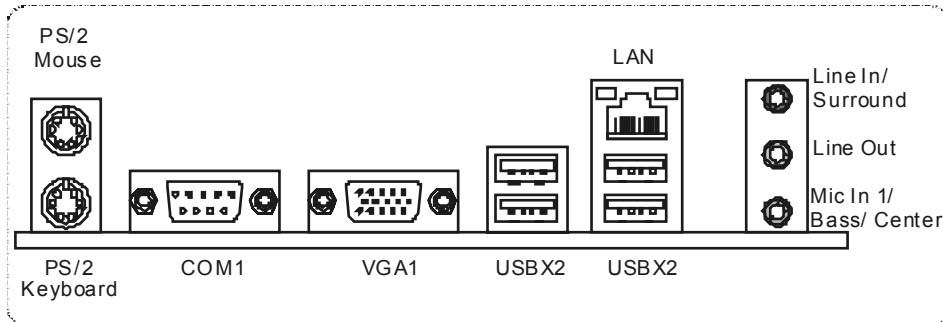
1.3 MOTHERBOARD FEATURES

	<i>945GC-M7G</i>	<i>945GC Micro 775</i>
CPU	LGA 775 Intel Core2Duo / Pentium 4 / Pentium D / Celeron D processor up to 3.8 GHz *It is recommended to use processors with 95W power consumption. Supports Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep Extended Memory 64 Technology	LGA 775 Intel Core2Duo / Pentium 4 / Pentium D / Celeron D processor up to 3.8 GHz *It is recommended to use processors with 95W power consumption. Supports Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep Extended Memory 64 Technology
FSB	533 / 800 / 1066 / 1333 MHz	533 / 800 / 1066 / 1333 MHz
Chipset	Intel 945GC Intel ICH7	Intel 945GC Intel ICH7
Graphics	Intel GMA 950 Max Shared Video Memory is 224MB	Intel GMA 950 Max Shared Video Memory is 224MB
Super I/O	ITE IT8712F H/W Monitor Fan Speed Controller ITE's "Smart Guardian" function	ITE IT8712F H/W Monitor Fan Speed Controller ITE's "Smart Guardian" function
Main Memory	DIMM Slots x 2 Each DIMM supports 256/512MB & 1GB DDR2 Max Memory Capacity 2GB Dual Channel Mode DDR2 memory module Supports DDR2 400 / 533 / 667 Registered DIMM and ECC DIMM is not supported	DIMM Slots x 2 Each DIMM supports 256/512MB & 1GB DDR2 Max Memory Capacity 2GB Dual Channel Mode DDR2 memory module Supports DDR2 400 / 533 / 667 Registered DIMM and ECC DIMM is not supported
IDE	Integrated IDE Controller Ultra DMA 33 / 66 / 100 Bus Master Mode supports PIO Mode 0~4,	Integrated IDE Controller Ultra DMA 33 / 66 / 100 Bus Master Mode supports PIO Mode 0~4,
SATA	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 RTL 8110SC 10 / 100 Mb/s / 1Gb/s auto negotiation Half / Full duplex capability	Realtek RTL 8100C 10 / 100 Mb/s auto negotiation Half / Full duplex capability

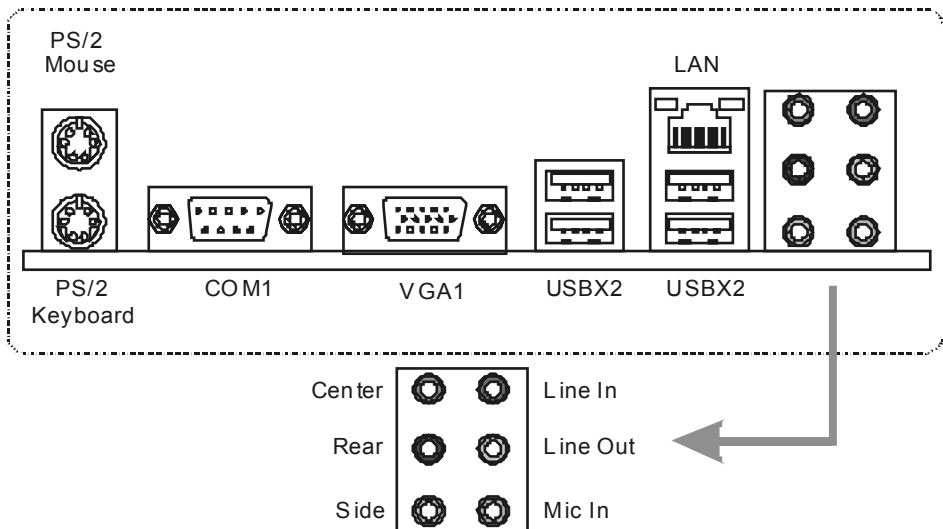
945GC-M7G / 945GC Micro 775

	945GC-M7G		945GC Micro 775	
Sound Codec	ALC861VD(Ver 6.x) / ALC888(Ver 5.x)		ALC861VD(Ver 6.x) / ALC888(Ver 5.x)	
	5.1 channels audio out (Ver 6.x)		5.1 channels audio out (Ver 6.x)	
	7.1 channels audio out (Ver 5.x) High-Definition Audio support		7.1 channels audio out (Ver 5.x) High-Definition Audio support	
Slots	PCI Express x16 slot	x1	PCI Express x16 slot	x1
	PCI Express x1 slot	x1	PCI Express x1 slot	x1
	PCI slot	x2	PCI slot	x2
On Board Connector	Floppy connector	x1	Floppy connector	x1
	IDE Connector	x1	IDE Connector	x1
	Printer Port Connector	x1	Printer Port 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-in Connector	x1	CD-in Connector	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
	Clear CMOS header	x1	Clear CMOS header	x1
	USB connector	x2	USB connector	x2
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
	Serial Port	x1	Serial Port	x1
	VGA port	x1	VGA port	x1
	LAN port	x1	LAN port	x1
	USB Port	x4	USB Port	x4
	Audio Jack (Ver 6.x)	x3	Audio Jack (Ver 6.x)	x3
	Audio Jack (Ver 5.x)	x6	Audio Jack (Ver 5.x)	x6
Board Size	219 (W) x 235 (L) mm		219 (W) x 235 (L) mm	
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 (FOR VER 6.X)

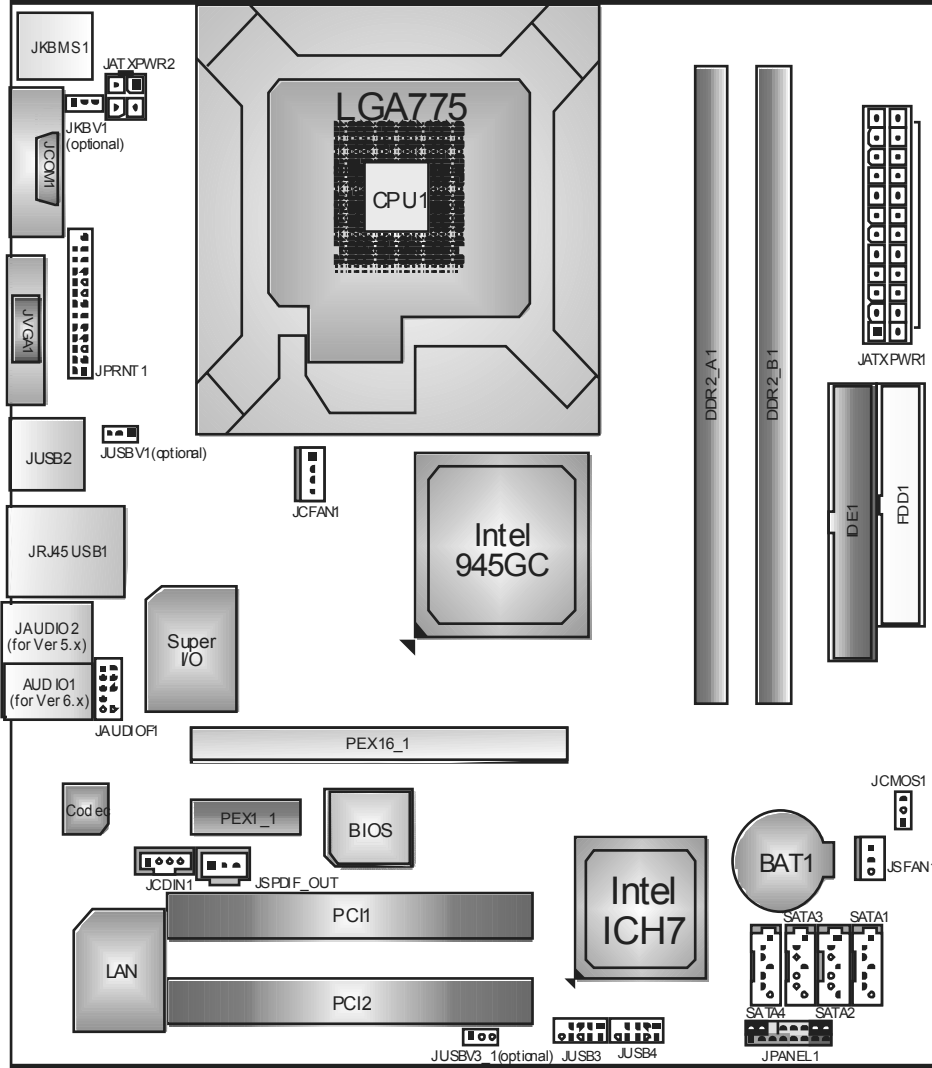


1.5 REAR PANEL CONNECTORS (FOR VER 5.X)



Since the audio chip supports High Definition Audio Specification, the function of each audio jack can be defined by software. The input/output function of each audio jack listed above represents the default setting. However, when connecting external microphone to the audio port, please use the Line In (Blue) and Mic In (Pink) audio jack.

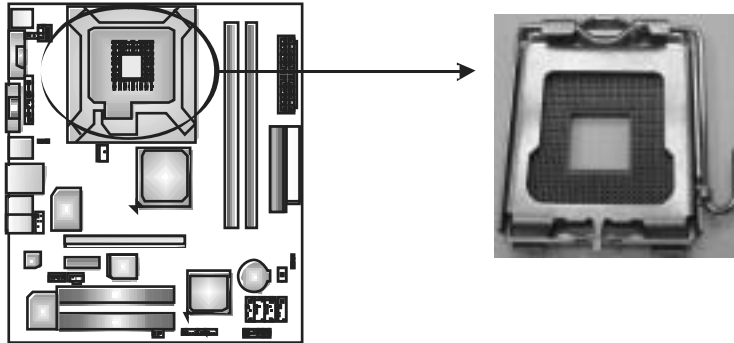
1.6 MOTHERBOARD LAYOUT



Note: ■ represents the 1st pin.

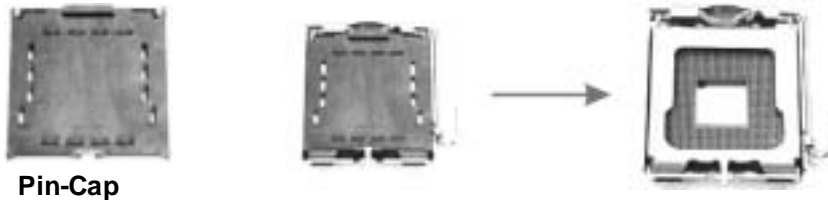
CHAPTER 2: HARDWARE INSTALLATION

2.1 INSTALLING CENTRAL PROCESSING UNIT (CPU)

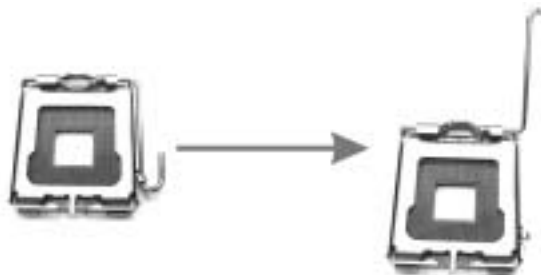


Special Notice

Remove Pin Cap before installation, and make good preservation for future use. When the CPU is removed, cover the Pin Cap on the empty socket to ensure pin legs won't be damaged.



Step 1: Pull the socket locking lever out from the socket and then raise the lever up to a 90-degree angle.

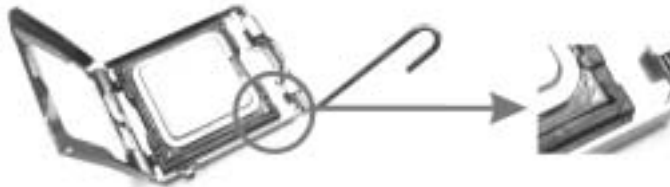


Step 2: Look for the triangular cut edge on socket, and the golden dot on CPU should point forwards this triangular cut edge. The CPU will fit only in the correct orientation.

Step 2-1:



Step 2-2:



Step 3: Hold the CPU down firmly, and then lower the lever to locked position to complete the installation.

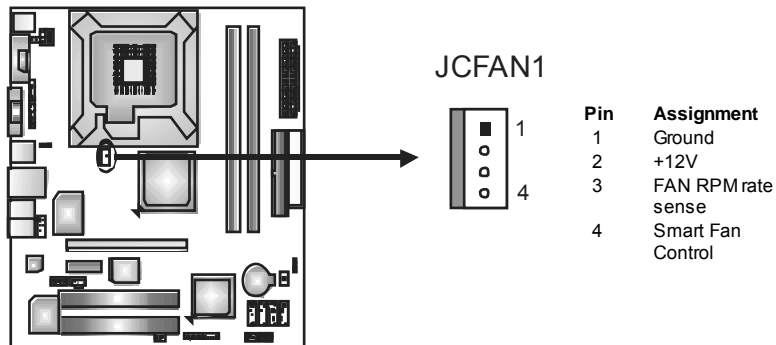


Step 4: Put the CPU Fan and heatsink assembly on the CPU and buckle it on the retention frame. Connect the CPU FAN power cable into the JCFAN1. This completes the installation.

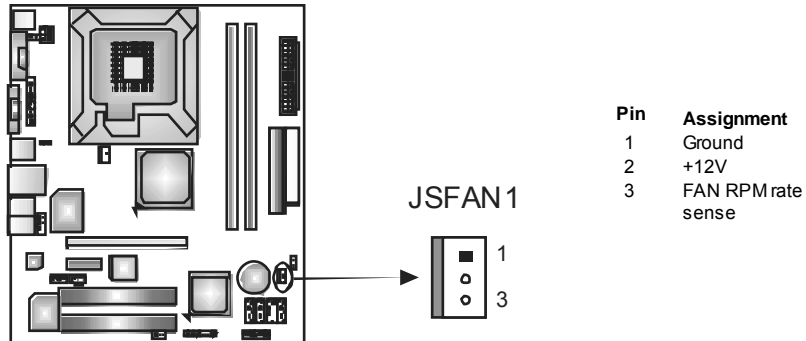
2.2 FAN HEADERS

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



J5FAN1: System Fan Header

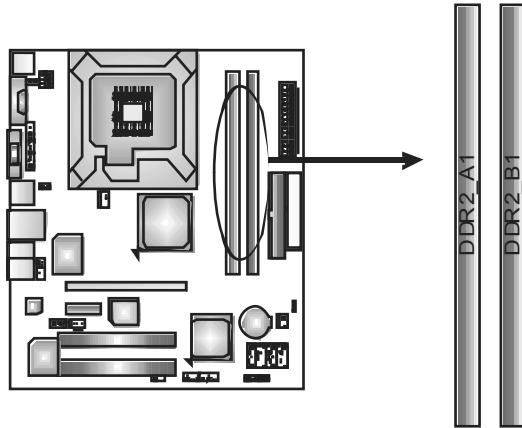


Note:

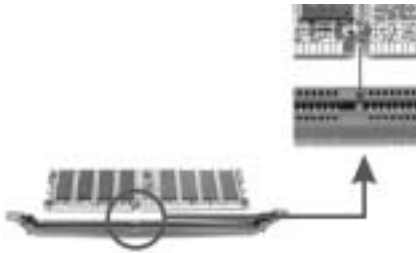
The JCFAN1 and J5FAN1 support 4-pin and 3-pin head connector. When connecting with wires onto connectors, please note that the red wire is the positive and should be connected to pin#2, and the black wire is Ground and should be connected to GND.

2.3 INSTALLING SYSTEM MEMORY

A. DDR2 module



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
DDR2_A1	256MB/512MB/1GB *1	Max memory 2GB.
DDR2_B1	256MB/512MB/1GB *1	

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 pairs, shown in the following table.

Dual Channel Status	DDR2_A1	DDR2_B1
Disabled	O	X
Disabled	X	O
Enabled	O	O

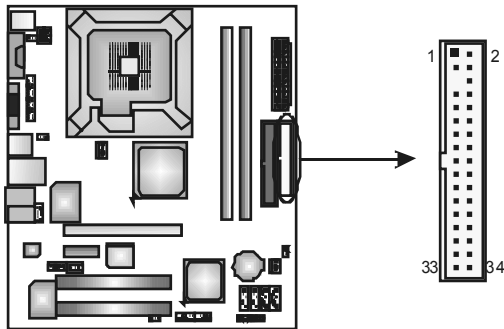
(O means memory installed, X means memory not installed.)

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

2.4 CONNECTORS AND SLOTS

FDD1: Floppy Disk Connector

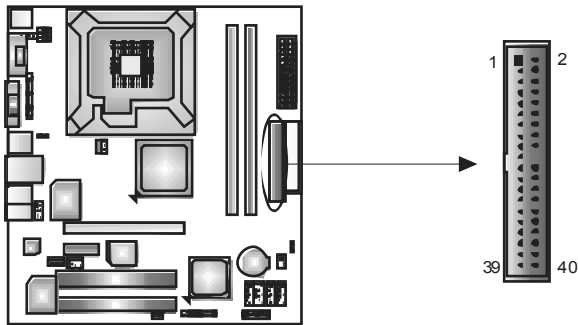
The motherboard provides a standard floppy disk connector that supports 360K, 720K, 1.2M, 1.44M and 2.88M floppy disk types. This connector supports the provided floppy drive ribbon cables.



IDE1: Hard Disk Connectors

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

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

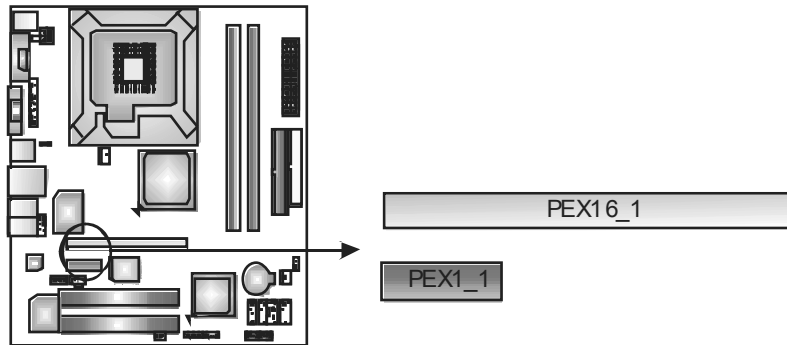


PEX16_1: PCI-Express x16 Slot

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

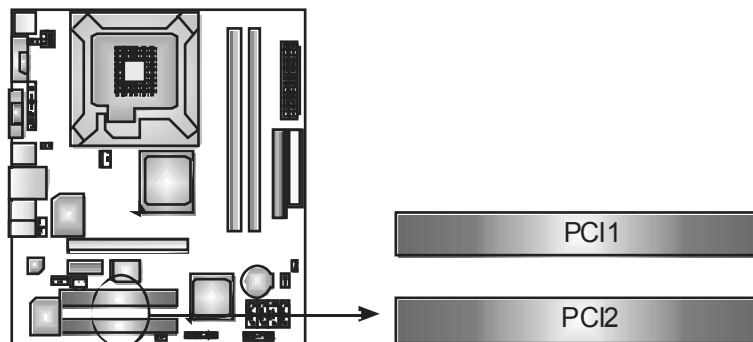
PEX1_1: PCI-Express x1 Slot

- 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.



PCI1~PCI2: Peripheral Component Interconnect Slots

The 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”.



Pin opened



Pin dosed

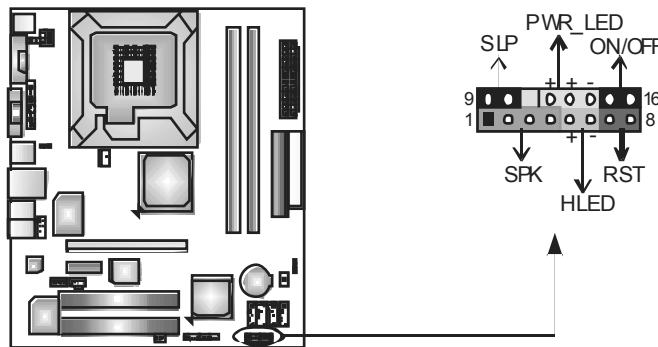


Pin1-2 dosed

3.2 DETAIL SETTINGS

JPANEL1: Front Panel Header

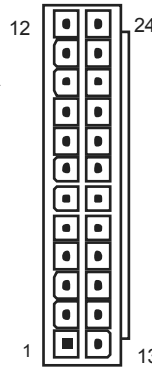
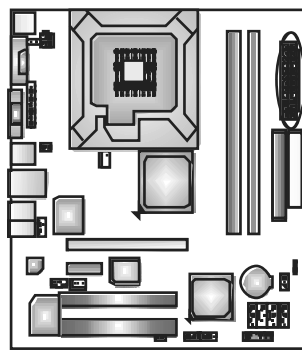
This 16-pin connector includes Power-on, Reset, HDD LED, Power LED, Sleep button, and speaker connections. It allows user to connect the PC case's front panel switch functions.



Pin	Assignment	Function	Pin	Assignment	Function
1	+5V		9	Sleep control	Sleep button
2	N/A	Speaker Connector	10	Ground	
3	N/A		11	N/A	N/A
4	Speaker		12	Power LED (+)	Power LED
5	HDD LED (+)	Hard drive 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

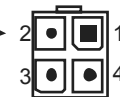
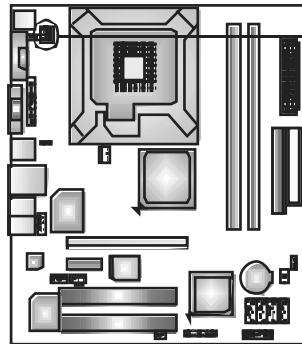
This connector allows user to connect 24-pin power connector on the ATX power supply.



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

JATXPWR2: ATX Power Source Connector

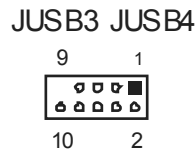
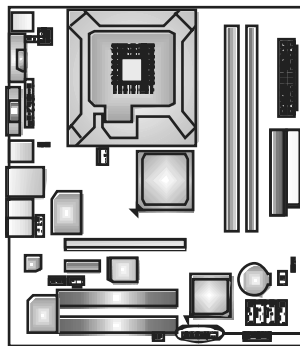
By connecting this connector, it will provide +12V to CPU power circuit.



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

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

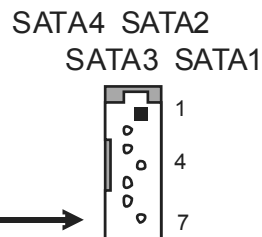
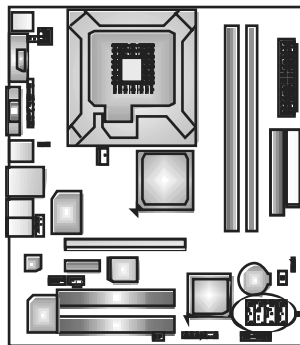
This motherboard provides 2 USB 2.0 headers, which allows user to connect additional USB cable on the PC front panel, and also can be connected with internal USB devices, like USB card reader.



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

SATA1~SATA4: Serial ATA Connectors

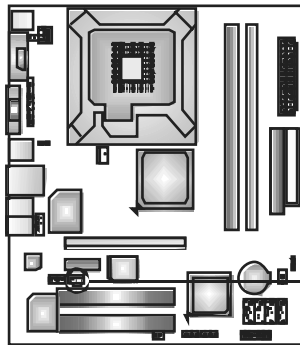
The motherboard has a PCI to SATA Controller with 4 channels SATA interface, it satisfies the SATA 2.0 spec and with transfer rate of 3Gb/s.



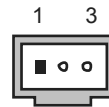
Pin	Assignment
1	Ground
2	TX+
3	TX-
4	Ground
5	RX-
6	RX+
7	Ground

JSPDIF_OUT: Digital Audio out Connectors

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

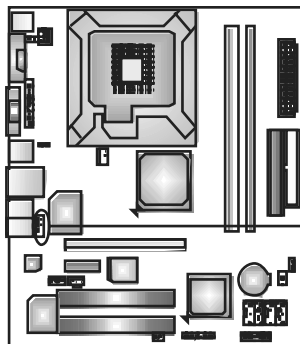


Pin	Assignment
1	+5V
2	SPDIF_OUT 1
3	Ground

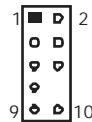


JAUDIOF1: Front Panel Audio Header

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.

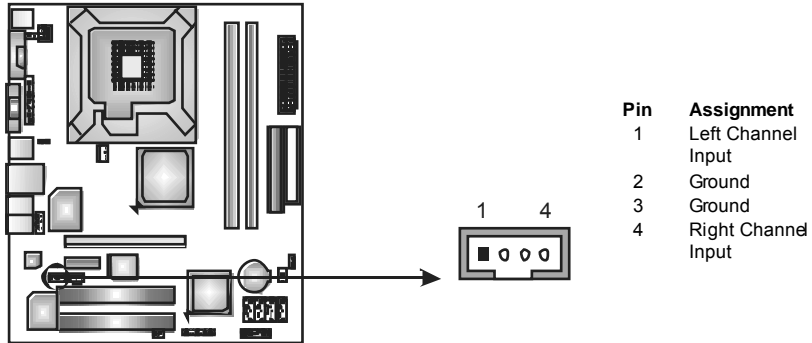


Pin	Assignment
1	Mic Left in
2	Ground
3	Mic Right in
4	GPIO
5	Right line in
6	Jack Sense
7	Front Sense
8	Key
9	Left line in
10	Jack Sense



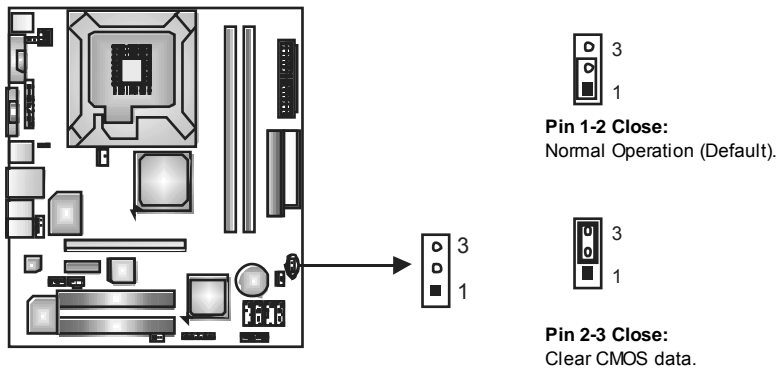
JCDIN1: CD-ROM Audio-in Connector

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



JCMOS1: Clear CMOS Header

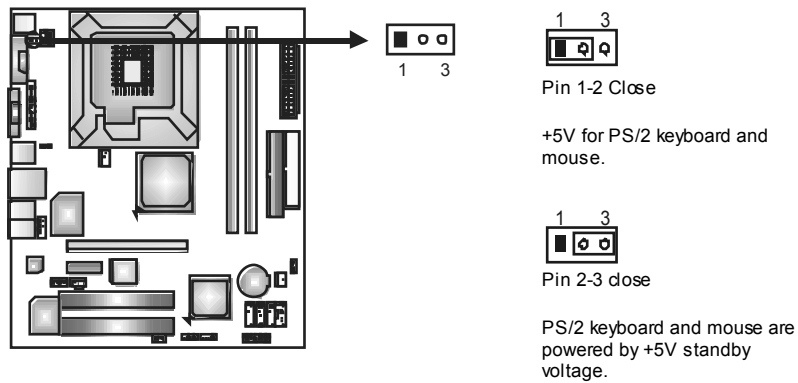
By placing the jumper on pin2-3, it allows user to restore the BIOS safe setting and the CMOS data, please carefully follow the procedures to avoid damaging the motherboard.



※ 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.

JKBV1: Power Source Header for PS/2 Keyboard and Mouse (Optional)



Note:

In order to support this function "Power-on system via keyboard and mouse", "JKBV1" jumper cap should be placed on Pin 2-3.

JUSBV1/JUSBV3_1: Power Source Headers for USB Ports (Optional)

Pin 1-2 Close:

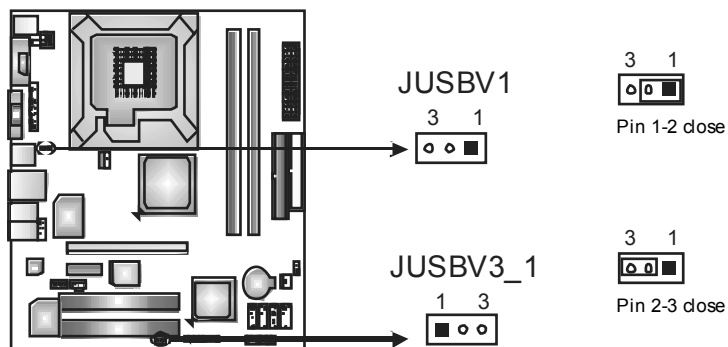
JUSBV1: +5V for USB ports at JRJ45USB1/JUSB2.

JUSBV3_1: +5V for USB ports at front panel (JUSB3/JUSB4).

Pin 2-3 Close:

JUSBV1: USB ports at JRJ45USB1/JUSB2 are powered by +5V standby voltage.

JUSBV3_1: USB ports at front panel (JUSB3/JUSB4) are powered by +5V standby voltage.

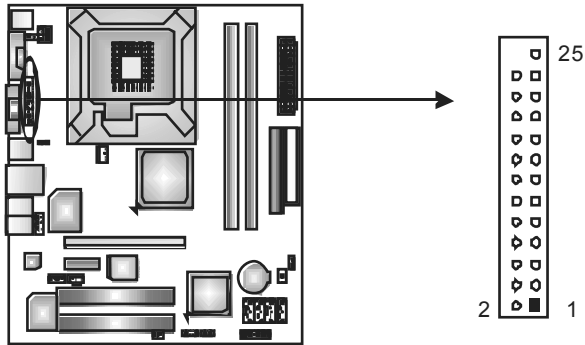


Note:

In order to support this function "Power-On system via USB device," "JUSBV1/JUSBV3_1" jumper cap should be placed on Pin 2-3 individually.

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

CHAPTER 4: USEFUL HELP

4.1 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>

4.2 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

4.3 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.

4.4 TROUBLESHOOTING

Probable	Solution
<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Make sure power cable is securely plugged in. 2. Replace cable. 3. Contact technical support.
<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"> 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.
<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"> 1. Back up data and applications files. 2. Reformat the hard drive. Re-install applications and data using backup disks.
<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"> 1. Set master/slave jumpers correctly. 2. Run SETUP program and select correct drive types. Call the drive manufacturers for compatibility with other drives.

CHAPTER 5: WARPSPEEDER™ III



5.1 INTRODUCTION

[WarpSpeeder™ III], a new powerful control utility, features three user-friendly functions including Overclock Manager, Overvoltage Manager, and Hardware Monitor.

With the Overclock Manager, users can easily adjust the frequency they prefer or they can get the best CPU performance with just one click. The Overvoltage Manager, on the other hand, helps to power up CPU core voltage and Memory voltage. The cool Hardware Monitor smartly indicates the temperatures, voltage and CPU fan speed as well as the chipset information. Also, in the About panel, you can get detail descriptions about BIOS model and chipsets. In addition, the frequency status of CPU, memory, VGA and PCI along with the CPU speed are synchronically shown on our main panel.

Moreover, to protect users' computer systems if the setting is not appropriate when testing and results in system fail or hang, [WarpSpeeder™ III] technology assures the system stability by automatically rebooting the computer and then restart to a speed that is either the original system speed or a suitable one.

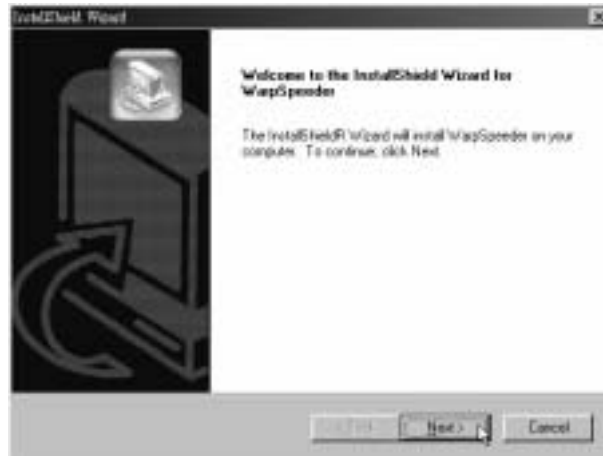
5.2 SYSTEM REQUIREMENT

OS Support: Windows 98 SE, Windows Me, Windows 2000, Windows XP, Windows Vista

DirectX: DirectX 8.1 or above. (The Windows XP operating system includes DirectX 8.1. If you use Windows XP, you do not need to install DirectX 8.1.)

5.3 INSTALLATION

1. Execute the setup execution file, and then the following dialog will pop up. Please click “Next” button and follow the default procedure to install.



2. When you see the following dialog in setup procedure, it means setup is completed. Click “Finish” button.



Usage:

The following figures are only for reference, the screen printed in this user manual will change according to your motherboard on hand.

5.4 WARPSPEEDER™ III

1. Desktop Icon

After the [WarpSpeeder™ III] has been installed, a [WarpSpeeder™ III] icon will appear on the desktop, just like the icon shown below.



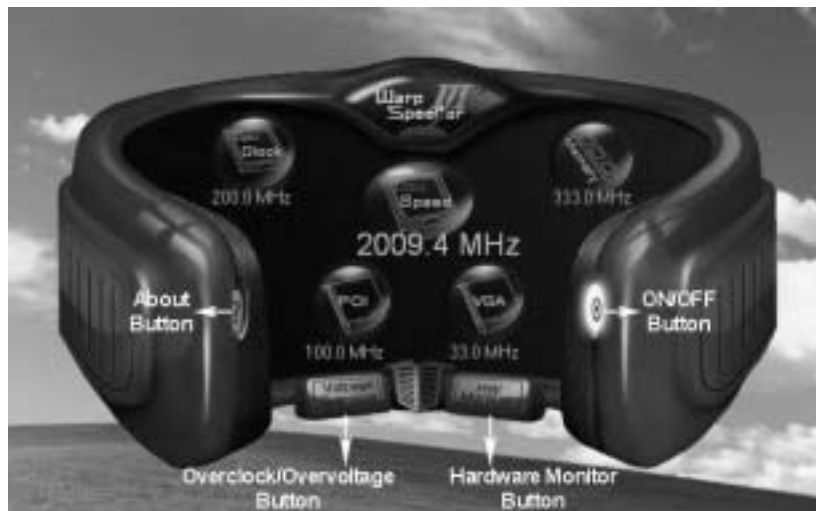
Now you can launch the [WarpSpeeder™ III] utility simply by double-clicking the desktop icon.

2. Main Panel

If you double-click the desktop icon, [WarpSpeeder™ III] will be launched. Please refer to the following figure; the utility's first window you will see is Main Panel.

Main Panel contains features as follows:

- a. Display the CPU Speed, CPU external clock, Memory dock, VGA clock, and PCI dock information.
- b. Contains About, Voltage/Overdock, and Hardware Monitor Buttons for invoking respective panels. The On/Off button is for closing the program.



3. **Overclock/Overvoltage Panel**

Click the Overdock/Overvoltage button in the Main Panel, the button will be highlighted and the Overclock/Overvoltage Panel will show up as the following figure. As you can see, the Overclock Panel is on the right side, and the Overvoltage Panel is on the left side.



Overclock Panel contains these features:

a. “Auto-Overdock”:

User can click this button and [WarpSpeeder™ III] will set the best and stable performance and frequency automatically. A warning dialog as below will show up to notify you that the system may become unstable, click on “OK” to proceed.



Then [WarpSpeeder™ III] utility will execute a series of testing until system fail. Then system will do fail-safe reboot by using Watchdog function. After reboot, launch the [WarpSpeeder™ III] utility again and the utility will load the previously verified best and stable frequency.

b. “Verify”:

If you use the “Manual Adjust” bar to adjust the CPU frequency, then you can click this button and [WarpSpeeder™ III] will proceed a testing for current frequency. If the testing is ok, then the current frequency will be saved into system registry. If the testing fails, system will do a fail-safe rebooting. After reboot, the [WarpSpeeder™ III] utility will restore to the hardware default setting.

Warning:

Manually overclock is potentially dangerous, especially when the overclocking percentage is over 110 %. We strongly recommend you verify every speed you overclock by click the Verify button. Or, you can just click Auto overclock button and let [WarpSpeeder™ III] automatically gets the best result for you.

c. “V3 Engine”/“V6 Engine”/“V9 Engine”:

Provide user the ability to do real-time overdock adjustment.

d. “Recovery”:

Click this button and the [WarpSpeeder™ III] utility will restore all values to the hardware default setting.

Overvoltage Panel contains these features:

- a. "CPU Voltage":
This function allows user to adjust CPU voltage. Click on "+" to increase or "-" to decrease the CPU voltage.
- b. "Memory Voltage":
This function allows user to adjust Memory voltage. Click on "+" to increase or "-" to decrease the Memory voltage.

4. Hardware Monitor Panel

Click the Hardware Monitor button in Main Panel, the button will be highlighted and the Hardware Monitor panel will show up as the following figure.

In this panel, you can get the real-time status information of your system. The information will be refreshed every 1 second.



5. About Panel

Click the “about” button in Main Panel, the button will be highlighted and the About Panel will show up as the following figure.

In this panel, you can get model name and detail information in hints of all the chipset that are related to overclocking. You can also get the the version number of [WarpSpeeder™ III] utility.



Note:

Because the overclock, overvoltage, and hardware monitor features are controlled by several separate chipset, [WarpSpeeder™ III] divide these features to separate panels. If one chipset is not on board, the correlative button in Main panel will be disabled, but will not interfere other panels' functions. This property can make [WarpSpeeder™ III] utility more robust.

APPENDENCIES: SPEC IN OTHER LANGUAGE**GERMAN**

	<i>945GC-M7G</i>	<i>945GC Micro 775</i>
CPU	LGA 775 Intel Core2Duo / Pentium 4 / Pentium D / Celeron D Prozessoren mit bis zu 3,8 GHz *It is recommended to use processors with 95W power consumption Unterstützt Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology	LGA 775 Intel Core2Duo / Pentium 4 / Pentium D / Celeron D Prozessoren mit bis zu 3,8 GHz *It is recommended to use processors with 95W power consumption Unterstützt Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology
FSB	533 / 800 / 1066 / 1333 MHz	533 / 800 / 1066 / 1333 MHz
Chipsatz	Intel 945GC Intel ICH7	Intel 945GC Intel ICH7
Grafik	Intel GMA 950 Max. 224MB gemeinsam benutzter Videospeicher	Intel GMA 950 Max. 224MB gemeinsam benutzter Videospeicher
Super E/A	ITE 8712F Hardware-Überwachung Lüfterdrehzahl-Controller "Smart Guardian"-Funktion von ITE	ITE 8712F Hardware-Überwachung Lüfterdrehzahl-Controller "Smart Guardian"-Funktion von ITE
Arbeitsspeicher	DDR2 DIMM-Steckplätze x 2 Jeder DIMM unterstützt 256/512MB & 1GB DDR2 Max. 2GB Arbeitsspeicher Dual-Kanal DDR2 Speichermodul Unterstützt DDR2 400 / 533 / 667 registrierte DIMMs. ECC DIMMs werden nicht unterstützt.	DDR2 DIMM-Steckplätze x 2 Jeder DIMM unterstützt 256/512MB & 1GB DDR2 Max. 2GB Arbeitsspeicher Dual-Kanal DDR2 Speichermodul Unterstützt DDR2 400 / 533 / 667 registrierte DIMMs. ECC DIMMs werden nicht unterstützt.
IDE	Integrierter IDE-Controller Ultra DMA 33 / 66 / 100 Bus Master-Modus Unterstützt PIO-Modus 0~4	Integrierter IDE-Controller Ultra DMA 33 / 66 / 100 Bus Master-Modus Unterstützt PIO-Modus 0~4
SATA	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 8110SC 10 / 100 / 1000 Mb/s Auto-Negotiation Halb-/Voll-duplex-Funktion	Realtek RTL 8100C 10 / 100 Mb/s Auto-Negotiation Halb-/Voll-duplex-Funktion

945GC-M7G / 945GC Micro 775

	945GC-M7G		945GC Micro 775	
Audio-Codec	ALC861VD(VER 6.X) / ALC888(VER 5.X) 5.1-Kanal-Audioausgabe (VER 6.X) 7.1-Kanal-Audioausgabe (VER 5.X) Unterstützt High-DefinitionAudio		ALC861VD(VER 6.X) / ALC888(VER 5.X) 5.1-Kanal-Audioausgabe (VER 6.X) 7.1-Kanal-Audioausgabe (VER 5.X) Unterstützt High-DefinitionAudio	
Steckplätze	PCI Express x16 Steckplatz	x1	PCI Express x16 Steckplatz	x1
	PCI Express x 1-Steckplatz	x1	PCI Express x 1-Steckplatz	x1
	PCI-Steckplatz	x2	PCI-Steckplatz	x2
Onboard-Anschluss	Diskettenlaufwerkanschluss	x1	Diskettenlaufwerkanschluss	x1
	IDE-Anschluss	x1	IDE-Anschluss	x1
	Druckeranschluss Anschluss	x1	Druckeranschluss Anschluss	x1
	SATA-Anschluss	x4	SATA-Anschluss	x4
	Fronttafelanschluss	x1	Fronttafelanschluss	x1
	Front-Audioanschluss	x1	Front-Audioanschluss	x1
	CD-IN-Anschluss	x1	CD-IN-Anschluss	x1
	S/PDIF-Ausgangsanschluss	x1	S/PDIF-Ausgangsanschluss	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
Stromanschluss (24-pdlig)	x1	Stromanschluss (24-pdlig)	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 (Ver 6.x)	x3	Audioanschluss (Ver 6.x)	x3
Audioanschluss (Ver 5.x)	x6	Audioanschluss (Ver 5.x)	x6	
Platinengröße	219 mm (B) X 235 mm (L)		219 mm (B) X 235 mm (L)	
OS-Unterstützung	Windows 2000 / XP / VISTA Biostar behält sich das Recht vor, ohne Ankündigung die Unterstützung für ein Betriebssystem hinzuzufügen oder zu entfernen.		Windows 2000 / XP / VISTA Biostar behält sich das Recht vor, ohne Ankündigung die Unterstützung für ein Betriebssystem hinzuzufügen oder zu entfernen.	

FRANCE

	945GC-M7G	945GC Micro 775
UC	LGA 775 Processeurs Intel Core2Duo / Pentium 4 / Pentium D / Celeron D jusqu'à 3,8 GHz *It is recommended to use processors with 95W power consumption. Prend en charge les technologies Hyper-Threading d'exécution de bit de désactivation Intel SpeedStep® optimisée de mémoire étendue 64	LGA 775 Processeurs Intel Core2Duo / Pentium 4 / Pentium D / Celeron D jusqu'à 3,8 GHz *It is recommended to use processors with 95W power consumption. Prend en charge les technologies Hyper-Threading d'exécution de bit de désactivation Intel SpeedStep® optimisée de mémoire étendue 64
Bus frontal	533 / 800 / 1066 / 1333 MHz	533 / 800 / 1066 / 1333 MHz
Chipset	Intel 945GC Intel ICH7	Intel 945GC Intel ICH7
Graphiques	Intel GMA 950 Mémoire vidéo partagée maximale de 224 Mo	Intel GMA 950 Mémoire vidéo partagée maximale de 224 Mo
Super E/S	ITE 8712F Moniteur de matériel Contrôleur de vitesse de ventilateur Fonction "Garden intelligent" de l'ITE	ITE 8712F Moniteur de matériel Contrôleur de vitesse de ventilateur Fonction "Garden intelligent" de l'ITE
Mémoire principale	Fentes DDR2 DIMM x 2 Chaque DIMM prend en charge des DDR2 de 256/512 Mo et 1Go Capacité mémoire maximale de 2 Go Module de mémoire DDR2 à mode à double voie Prend en charge la DDR2 400 / 533 / 667 Les DIMM à registres et DIMM avec code correcteurs d'erreurs ne sont pas prises en charge	Fentes DDR2 DIMM x 2 Chaque DIMM prend en charge des DDR2 de 256/512 Mo et 1Go Capacité mémoire maximale de 2 Go Module de mémoire DDR2 à mode à double voie Prend en charge la DDR2 400 / 533 / 667 Les DIMM à registres et DIMM avec code correcteurs d'erreurs ne sont pas prises en charge
IDE	Contrôleur IDE intégré Mode principale de Bus Ultra DMA 33 / 66 / 100 Prend en charge le mode PIO 0~4,	Contrôleur IDE intégré Mode principale de Bus Ultra DMA 33 / 66 / 100 Prend en charge le mode PIO 0~4,
SATA	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 8110SC 10 / 100 / 1000 Mb/s négociation automatique Half / Full duplex capability	Realtek RTL 8100C 10 / 100 Mb/s négociation automatique Half / Full duplex capability

945GC-M7G / 945GC Micro 775

	945GC-M7G		945GC Micro 775	
Codec audio	ALC861VD(VER 6.X) / ALC888(VER 5.X) Sortie audio à 5.1 voies (VER 6X) Sortie audio à 7.1 voies (VER 5X) Prise en charge de l'audio haute définition		ALC861VD(VER 6.X) / ALC888(VER 5.X) Sortie audio à 5.1 voies (VER 6X) Sortie audio à 7.1 voies (VER 5X) Prise en charge de l'audio haute définition	
Fentes	PCI Express x16 Steckplatz	x1	PCI Express x16 Steckplatz	x1
	PCI Express x1 Steckplatz	x1	PCI Express x1 Steckplatz	x1
	Fente PCI	x2	Fente PCI	x2
Connecteur embarqué	Connecteur de disquette	x1	Connecteur de disquette	x1
	Connecteur IDE	x1	Connecteur IDE	x1
	Connecteur de Port d'imprimante	x1	Connecteur de Port d'imprimante	x1
	Connecteur SATA	x4	Connecteur SATA	x4
	Connecteur du panneau avant	x1	Connecteur du panneau avant	x1
	Connecteur Audio du panneau avant	x1	Connecteur Audio du panneau avant	x1
	Connecteur d'entrée CD	x1	Connecteur d'entrée CD	x1
	Connecteur de sortie S/PDIF	x1	Connecteur de sortie S/PDIF	x1
	Embase de ventilateur UC	x1	Embase de ventilateur UC	x1
	Embase de ventilateur système	x1	Embase de ventilateur système	x1
	Embase d'effacement CMOS	x1	Embase d'effacement CMOS	x1
Connecteur USB	x2	Connecteur USB	x2	
Connecteur d'alimentation (24 broches)	x1	Connecteur d'alimentation (24 broches)	x1	
Connecteur d'alimentation (4 broches)	x1	Connecteur d'alimentation (4 broches)	x1	
E/S du panneau arrière	Clavier PS/2	x1	Clavier PS/2	x1
	Souris PS/2	x1	Souris PS/2	x1
	Port série	x1	Port série	x1
	Port VGA	x1	Port VGA	x1
	Port LAN	x1	Port LAN	x1
	Port USB	x4	Port USB	x4
	Fiche audio (Ver 6.x)	x3	Fiche audio (Ver 6.x)	x3
	Fiche audio (Ver 5.x)	x6	Fiche audio (Ver 5.x)	x6
Dimensions de la carte	219mm (l) X 235mm (H)		219mm (l) X 235mm (H)	
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

	<i>945GC-M7G</i>	<i>945GC Micro 775</i>
CPU	LGA 775 Processore Intel Core2Duo / Pentium 4 / Pentium D / Celeron D fino a 3.8 GHz *It is recommended to use processors with 95W power consumption. Supporto di Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Tecnologia Extended Memory 64	LGA 775 Processore Intel Core2Duo / Pentium 4 / Pentium D / Celeron D fino a 3.8 GHz *It is recommended to use processors with 95W power consumption. Supporto di Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Tecnologia Extended Memory 64
FSB	533 / 800 / 1066 / 1333 MHz	533 / 800 / 1066 / 1333 MHz
Chipset	Intel 945GC Intel ICH7	Intel 945GC Intel ICH7
Grafica	Intel GMA 950 La memoria videocondivisa massima è di 224MB	Intel GMA 950 La memoria videocondivisa massima è di 224MB
Super I/O	ITE 8712F Monitoraggio hardware Controller velocità ventolina Funzione "Smart Guardian" di ITE	ITE 8712F Monitoraggio hardware Controller velocità ventolina Funzione "Smart Guardian" di ITE
Memoria principale	Alloggi DIMM DDR 2 x 2 Ciascun DIMM supporta DDR2 256/512MB e 1GB Capacità massima della memoria 2GB Modulo di memoria DDR2 a canale doppio Supporto di DDR2 400 / 533 / 667 DIMM registrati e DIMM ECC non sono supportati	Alloggi DIMM DDR 2 x 2 Ciascun DIMM supporta DDR2 256/512MB e 1GB Capacità massima della memoria 2GB Modulo di memoria DDR2 a canale doppio Supporto di DDR2 400 / 533 / 667 DIMM registrati e DIMM ECC non sono supportati
IDE	Controller IDE integrato Modalità Bus Master Ultra DMA 33 / 66 / 100 Supporto modalità PIO Mode 0-4	Controller IDE integrato Modalità Bus Master Ultra DMA 33 / 66 / 100 Supporto modalità PIO Mode 0-4
SATA	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 8110SC Negoziazione automatica 10 / 100 / 1000 Mb/s Capacità Half / Full Duplex	Realtek RTL 8100C Negoziazione automatica 10 / 100 Mb/s Capacità Half / Full Duplex

945GC-M7G / 945GC Micro 775

	945GC-M7G	945GC Micro 775
Codec audio	ALC861VD(VER 6.X) / ALC888(VER 5.X) Uscita audio 5.1 canali (VER 6.X) Uscita audio 7.1 canali (VER 5.X) Supporto audio High-Definition (HD)	ALC861VD(VER 6.X) / ALC888(VER 5.X) Uscita audio 5.1 canali (VER 6.X) Uscita audio 7.1 canali (VER 5.X) Supporto audio High-Definition (HD)
Alloggi	Fente PCI Express x16 x1 Fente PCI Express x1 x1 Alloggio PCI x2	Fente PCI Express x16 x1 Fente PCI Express x1 x1 Alloggio PCI x2
Connettori su scheda	Connettore floppy x1 Connettore IDE x1 Connettore Porta stampante x1 Connettore SATA x4 Connettore pannello frontale x1 Connettore audio frontale x1 Connettore CD-in x1 Connettore output SPDIF x1 Collettore ventolina CPU x1 Collettore ventolina sistema x1 Collettore cancellazione CMOS x1 Connettore USB x2 Connettore alimentazione (24 pin) x1 Connettore alimentazione (4 pin) x1	Connettore floppy x1 Connettore IDE x1 Connettore Porta stampante x1 Connettore SATA x4 Connettore pannello frontale x1 Connettore audio frontale x1 Connettore CD-in x1 Connettore output SPDIF x1 Collettore ventolina CPU x1 Collettore ventolina sistema x1 Collettore cancellazione CMOS x1 Connettore USB x2 Connettore alimentazione (24 pin) x1 Connettore alimentazione (4 pin) x1
I/O pannello posteriore	Tastiera PS/2 x1 Mouse PS/2 x1 Porta seriale x1 Porta VGA x1 Porta LAN x1 Porta USB x4 Connettore audio (Ver 6.x) x3 Connettore audio (Ver 5.x) x6	Tastiera PS/2 x1 Mouse PS/2 x1 Porta seriale x1 Porta VGA x1 Porta LAN x1 Porta USB x4 Connettore audio (Ver 6.x) x3 Connettore audio (Ver 5.x) x6
Dimensioni scheda	219 mm (larghezza) x 235 mm (altezza)	219 mm (larghezza) x 235 mm (altezza)
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

	<i>945GC-M7G</i>	<i>945GC Micro 775</i>
CPU	LGA 775 Procesador Intel Core2Duo / Pentium 4 / Pentium D / Celeron D hasta 3,8 GHz *It is recommended to use processors with 95W power consumption Admite Hyper-Threading Bit de deshabilitación de ejecución Intel SpeedStep® Mejorado Tecnología Extended Memory 64	LGA 775 Procesador Intel Core2Duo / Pentium 4 / Pentium D / Celeron D hasta 3,8 GHz *It is recommended to use processors with 95W power consumption Admite Hyper-Threading Bit de deshabilitación de ejecución Intel SpeedStep® Mejorado Tecnología Extended Memory 64
FSB	533 / 800 / 1066 / 1333 MHz	533 / 800 / 1066 / 1333 MHz
Conjunto de chips	Intel 945GC Intel ICH7	Intel 945GC Intel ICH7
Gráficos	Intel GMA 950 Memoria máxima de vídeo compartida de 224MB	Intel GMA 950 Memoria máxima de vídeo compartida de 224MB
Súper E/S	ITE 8712F Monitor hardware Controlador de velocidad de ventilador Función "Guarda inteligente" de ITE	ITE 8712F Monitor hardware Controlador de velocidad de ventilador Función "Guarda inteligente" de ITE
Memoria principal	Ranuras DIMM DDR2 x 2 Cada DIMM admite DDR2 de 256/512MB y 1GB Capacidad máxima de memoria de 2GB Módulo de memoria DDR2 de canal Doble Admite DDR2 de 400 / 533 / 667 No admite DIMM registrados o DIMM compatibles con ECC	Ranuras DIMM DDR2 x 2 Cada DIMM admite DDR2 de 256/512MB y 1GB Capacidad máxima de memoria de 2GB Módulo de memoria DDR2 de canal Doble Admite DDR2 de 400 / 533 / 667 No admite DIMM registrados o DIMM compatibles con ECC
IDE	Controlador IDE integrado Modo bus maestro Ultra DMA 33 / 66 / 100 Soporte los Modos PIO 0~4.	Controlador IDE integrado Modo bus maestro Ultra DMA 33 / 66 / 100 Soporte los Modos PIO 0~4.
SATA	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 RTL 8110SC Negociación de 10 / 100 / 1000 Mb/s Funciones Half/ Full dúplex	Realtek RTL 8100C Negociación de 10 / 100 Mb/s Funciones Half/ Full dúplex

945GC-M7G / 945GC Micro 775

	945GC-M7G		945GC Micro 775	
Códex de sonido	ALC861VD(VER 6.X) / ALC888(VER 5.X)		ALC861VD(VER 6.X) / ALC888(VER 5.X)	
	Salida de sonido de 5.1 canales (VER 6.X)		Salida de sonido de 5.1 canales (VER 6.X)	
	Salida de sonido de 7.1 canales (VER 5.X)		Salida de sonido de 7.1 canales (VER 5.X)	
	Soporte de sonido Alta Definición		Soporte de sonido Alta Definición	
Ranuras	Ranura PCI Express x16	X1	Ranura PCI Express x16	X1
	Ranura PCI Express x1	X1	Ranura PCI Express x1	X1
	Ranura PCI	X2	Ranura PCI	X2
Conectores en placa	Conector disco flexible	X1	Conector disco flexible	X1
	Conector IDE	X1	Conector IDE	X1
	Conector Puerto de impresora	X1	Conector Puerto de impresora	X1
	Conector SATA	X4	Conector SATA	X4
	Conector de panel frontal	X1	Conector de panel frontal	X1
	Conector de sonido frontal	X1	Conector de sonido frontal	X1
	Conector de entrada de CD	X1	Conector de entrada de CD	X1
	Conector de salida S/PDIF	X1	Conector de salida S/PDIF	X1
	Cabecera de ventilador de CPU	X1	Cabecera de ventilador de CPU	X1
	Cabecera de ventilador de sistema	X1	Cabecera de ventilador de sistema	X1
	Cabecera de borrado de CMOS	X1	Cabecera de borrado de CMOS	X1
	Conector USB	X2	Conector USB	X2
	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 (Ver 6.x)	X3	Conector de sonido (Ver 6.x)	X3
	Conector de sonido (Ver 5.x)	X6	Conector de sonido (Ver 5.x)	X6
Tamaño de la placa	219 mm. (A) X 235 mm. (H)		219 mm. (A) X 235 mm. (H)	
Soporte de sistema operativo	Windows 2000 / XP / VISTA		Windows 2000 / XP / VISTA	
	Biostar se reserva el derecho de añadir o retirar el soporte de cualquier SO con o sin aviso previo.		Biostar se reserva el derecho de añadir o retirar el soporte de cualquier SO con o sin aviso previo.	

PORTUGUESE

	945GC-M7G	945GC Micro 775
CPU	LGA 775 Processador Intel Core2Duo / Pentium 4 / Pentium D / Celeron D até 3,8 GHz *It is recommended to use processors with 95W power consumption Suporta as tecnologias Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64	LGA 775 Processador Intel Core2Duo / Pentium 4 / Pentium D / Celeron D até 3,8 GHz *It is recommended to use processors with 95W power consumption Suporta as tecnologias Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64
FSB	533 / 800 / 1066 / 1333 MHz	533 / 800 / 1066 / 1333 MHz
Chipset	Intel 945GC Intel ICH7	Intel 945GC Intel ICH7
Placa gráfica	Intel GMA 950 Memória de vídeo máxima partilhada: 224 MB	Intel GMA 950 Memória de vídeo máxima partilhada: 224 MB
Especificação Super I/O	ITE 8712F Monitorização do hardware Controlador da velocidade da ventoinha Função "Smart Guardian" da ITE	ITE 8712F Monitorização do hardware Controlador da velocidade da ventoinha Função "Smart Guardian" da ITE
Memória principal	Ranuras DIMM DDR2 x2 Cada módulo DIMM suporta uma memória DDR2 de 256/512 MB & 1 GB Capacidade máxima de memória: 2 GB Módulo de memória DDR2 de canal duplo Suporta módulos DDR2 400 / 533 / 667 Os módulos DIMM registados e os DIMM ECC não são suportados	Ranuras DIMM DDR2 x2 Cada módulo DIMM suporta uma memória DDR2 de 256/512 MB & 1 GB Capacidade máxima de memória: 2 GB Módulo de memória DDR2 de canal duplo Suporta módulos DDR2 400 / 533 / 667 Os módulos DIMM registados e os DIMM ECC não são suportados
IDE	Controlador IDE integrado Modo Bus master Ultra DMA 33 / 66 / 100 Suporta o modo PIO 0~4.	Controlador IDE integrado Modo Bus master Ultra DMA 33 / 66 / 100 Suporta o modo PIO 0~4.
SATA	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 8110SC Auto negociação de 10 / 100 / 1000 Mb/s Capacidade semi/full-duplex	Realtek RTL 8100C Auto negociação de 10 / 100 Mb/s Capacidade semi/full-duplex

945GC-M7G / 945GC Micro 775

	945GC-M7G	945GC Micro 775
Codec de som	ALC861VD(VER 6.X) / ALC888(VER 5.X)	ALC861VD(VER 6.X) / ALC888(VER 5.X)
	Saída de áudio de 5.1 canais (VER 6.X)	Saída de áudio de 5.1 canais (VER 6.X)
	Saída de áudio de 7.1 canais (VER 5.X)	Saída de áudio de 7.1 canais (VER 5.X)
	Suporta a especificação High-Definition Audio	Suporta a especificação High-Definition Audio
Ranhuras	Ranhura PCI Express x16 x1	Ranhura PCI Express x16 x1
	Ranhura PCI Express x1 x1	Ranhura PCI Express x1 x1
	Ranhura PCI x2	Ranhura PCI x2
Conectores na placa	Conector da unidade de disquetes x1	Conector da unidade de disquetes x1
	Conector IDE x1	Conector IDE x1
	Conector da para impressora x1	Conector da para impressora x1
	Conector SATA x4	Conector SATA x4
	Conector do painel frontal x1	Conector do painel frontal x1
	Conector de áudio frontal x1	Conector de áudio frontal x1
	Conector para entrada de CDs x1	Conector para entrada de CDs x1
	Conector de saída S/PDIF x1	Conector de saída S/PDIF x1
	Conector da ventoinha da CPU x1	Conector da ventoinha da CPU x1
	Conector da ventoinha do sistema x1	Conector da ventoinha do sistema x1
	Conector para limpeza do CMOS x1	Conector para limpeza do CMOS x1
	Conector USB x2	Conector USB x2
	Conector de alimentação (24 pinos) x1	Conector de alimentação (24 pinos) x1
Conector de alimentação (4 pinos) x1	Conector de alimentação (4 pinos) x1	
Entradas/Saídas no painel traseiro	Teclado PS/2 x1	Teclado PS/2 x1
	Rato PS/2 x1	Rato PS/2 x1
	Porta 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 (Ver 6.x) x3	Tomada de áudio (Ver 6.x) x3
Tomada de áudio (Ver 5.x) x6	Tomada de áudio (Ver 5.x) x6	
Tamanho da placa	219 mm (L) X 235mm (A)	219 mm (L) X 235mm (A)
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

	945GC-M7G	945GCMicro 775
Procesor	LGA 775 Procesor Intel Core2Duo / Pentium 4 / Pentium D / Celeron D do 3,8 GHz *It is recommended to use processors with 95W power consumption. Obsługa Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology	LGA 775 Procesor Intel Core2Duo / Pentium 4 / Pentium D / Celeron D do 3,8 GHz *It is recommended to use processors with 95W power consumption. Obsługa Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology
FSB	533 / 800 / 1066 / 1333 MHz	533 / 800 / 1066 / 1333 MHz
Chipset	Intel 945GC Intel ICH7	Intel 945GC Intel ICH7
Grafika	Intel GMA 950 Maks. wielkość współdzielonej pamięci video wynosi 224MB	Intel GMA 950 Maks. wielkość współdzielonej pamięci video wynosi 224MB
Pamięć główna	Gniazda DDR2 DIMM x 2 Każde gniazdo DIMM obsługuje moduły 256/512MB oraz 1GB DDR2 Maks. wielkość pamięci 2GB Moduł pamięci DDR2 z trybem podwójnego kanału Obsługa DDR2 400 / 533 / 667 Brak obsługi Registered DIMM oraz ECC DIMM	Gniazda DDR2 DIMM x 2 Każde gniazdo DIMM obsługuje moduły 256/512MB oraz 1GB DDR2 Maks. wielkość pamięci 2GB Moduł pamięci DDR2 z trybem podwójnego kanału Obsługa DDR2 400 / 533 / 667 Brak obsługi Registered DIMM oraz ECC DIMM
Super I/O	ITE 8712F Monitor H/W Kontroler prędkości wentylatora Funkcja ITE "Smart Guardian"	ITE 8712F Monitor H/W Kontroler prędkości wentylatora Funkcja ITE "Smart Guardian"
IDE	Zintegrowany kontroler IDE Ultra DMA 33 / 66 / 100 Tryb Bus Master obsługa PIO tryb 0~4	Zintegrowany kontroler IDE Ultra DMA 33 / 66 / 100 Tryb Bus Master obsługa PIO tryb 0~4
SATA	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 8110SC 10 / 100 / 1000 Mb/s z automatyczną negocjacją szybkości Działanie w trybie półowicznego / pełnego duplexu	Realtek RTL 8100C 10 / 100 Mb/s z automatyczną negocjacją szybkości Działanie w trybie półowicznego / pełnego duplexu

945GC-M7G / 945GC Micro 775

	945GC-M7G		945GC Micro 775	
Kodek dźwiękowy	ALC861VD(VER 6.X) / ALC888(VER 5.X)		ALC861VD(VER 6.X) / ALC888(VER 5.X)	
	5.1 kanałowe wyjście audio (VER 6.X)		5.1 kanałowe wyjście audio (VER 6.X)	
	7.1 kanałowe wyjście audio (VER 5.X)		7.1 kanałowe wyjście audio (VER 5.X)	
	Obsługa High-DefinitionAudio		Obsługa High-DefinitionAudio	
Gniazda	Gniazdo PCI Express x16	x1	Gniazdo PCI Express x16	x1
	Gniazdo PCI Express x1	x1	Gniazdo PCI Express x1	x1
	Gniazdo PCI	x2	Gniazdo PCI	x2
Złącza wbudowane	Złącze napędu dyskiętek	x1	Złącze napędu dyskiętek	x1
	Złącze IDE	x1	Złącze IDE	x1
	Złącze Port drukarki	x1	Złącze Port drukarki	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 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 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 (Ver 6.x)	x3	Gniazdo audio (Ver 6.x)	x3
	Gniazdo audio (Ver 5.x)	x6	Gniazdo audio (Ver 5.x)	x6
Wymiary płyty	219 mm (S) X 235 mm (W)		219 mm (S) X 235 mm (W)	
Obsługa systemu operacyjne go	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

	945GC-M7G	945GC Micro 775
CPU (центральный процессор)	LGA 775 Процессор Intel Core2Duo / Pentium 4 / Pentium D / Celeron D до 3.8 ГГц *It is recommended to use processors with 95W power consumption. Поддержка технологий Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology	LGA 775 Процессор Intel Core2Duo / Pentium 4 / Pentium D / Celeron D до 3.8 ГГц *It is recommended to use processors with 95W power consumption. Поддержка технологий Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology
FSB	533 / 800 / 1066 / 1333 МГц	533 / 800 / 1066 / 1333 МГц
Набор микросхем	Intel 945GC Intel ICH7	Intel 945GC Intel ICH7
Графика	Intel GMA 950 Максимальная совместно используемая видеопамять составляет 224 МБ	Intel GMA 950 Максимальная совместно используемая видеопамять составляет 224 МБ
Основная память	Слоты DDR2 DIMM x 2 Каждый модуль DIMM поддерживает 256/512 МБ & 1 ГБ DDR2 Максимальная ёмкость памяти 2 ГБ Модуль памяти с двухканальным режимом DDR2 Поддержка DDR2 400 / 533 / 667 Не поддерживает зарегистрированные модули DIMM and ECC DIMM	Слоты DDR2 DIMM x 2 Каждый модуль DIMM поддерживает 256/512 МБ & 1 ГБ DDR2 Максимальная ёмкость памяти 2 ГБ Модуль памяти с двухканальным режимом DDR2 Поддержка DDR2 400 / 533 / 667 Не поддерживает зарегистрированные модули DIMM and ECC DIMM
Super I/O	ITE 8712F Аппаратный монитор Регулятор скорости Функция ITE "Smart Guardian" (Интеллектуальная защита)	ITE 8712F Аппаратный монитор Регулятор скорости Функция ITE "Smart Guardian" (Интеллектуальная защита)
IDE	Встроенное устройство управления встроенными интерфейсами устройств Режим "хвояина" шины Ultra DMA 33 / 66 / 100 Поддержка режима PIO 0~4,	Встроенное устройство управления встроенными интерфейсами устройств Режим "хвояина" шины Ultra DMA 33 / 66 / 100 Поддержка режима PIO 0~4,
SATA	Встроенное последовательное устройство управления ATA скорость передачи данных до 3 гигабит/с. Соответствие спецификации SATA версия 2.0.	Встроенное последовательное устройство управления ATA скорость передачи данных до 3 гигабит/с. Соответствие спецификации SATA версия 2.0.
Локальная сеть	Realtek RTL 8110SC Автоматическое согласование 10 / 100 / 1000 Мб/с Частичная / полная дуплексная способность	Realtek RTL 8100C Автоматическое согласование 10 / 100 Мб/с Частичная / полная дуплексная способность

945GC-M7G / 945GC Micro 775

	945GC-M7G	945GC Micro 775
Звуковой кодек	ALC861VD(VER 6.X) / ALC888(VER 5.X) 5.1канальный звуковой выход (VER 6.X) 7.1канальный звуковой выход (VER 5.X) Звуковая поддержка High-Defintion	ALC861VD(VER 6.X) / ALC888(VER 5.X) 5.1канальный звуковой выход (VER 6.X) 7.1канальный звуковой выход (VER 5.X) Звуковая поддержка High-Defintion
Слоты	Слот PCI Express x16 x1 Слот PCI Express x1 x1 Слот PCI x2	Слот PCI Express x16 x1 Слот PCI Express x1 x1 Слот PCI x2
Встроенный разъём	Разъём НГМД x1 Разъём IDE x1 Разъём Порт подключения принтера 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 x2 Разъём питания (24 вывод) x1 Разъём питания (4 вывод) x1	Разъём НГМД x1 Разъём IDE x1 Разъём Порт подключения принтера 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 x2 Разъём питания (24 вывод) x1 Разъём питания (4 вывод) x1
Задняя панель средств ввода-вывода	Клавиатура PS/2 x1 Мышь PS/2 x1 Последовательный порт x1 Порт VGA x1 Порт LAN x1 USB-порт x4 Гнездо для подключения наушников (Ver 6.x) x3 Гнездо для подключения наушников (Ver 5.x) x6	Клавиатура PS/2 x1 Мышь PS/2 x1 Последовательный порт x1 Порт VGA x1 Порт LAN x1 USB-порт x4 Гнездо для подключения наушников (Ver 6.x) x3 Гнездо для подключения наушников (Ver 5.x) x6
Размер панели	219 мм (Ш) X 235 мм (В)	219 мм (Ш) X 235 мм (В)
Поддержка OS	Windows 2000 / XP / VISTA Bicstar сохраняет за собой право добавлять или удалять средства обеспечения для OS с или без предварительного уведомления.	Windows 2000 / XP / VISTA Bicstar сохраняет за собой право добавлять или удалять средства обеспечения для OS с или без предварительного уведомления.

ARABIC

945GC Micro 775	945GC-M7G	
LGA 775 Intel Core2Duo / Pentium 4 / Pentium D / Celeron D بتردد يصل إلى 3.8 جيجا هرتز *It is recommended to use processors with 95W power consumption. Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology	LGA 775 Intel Core2Duo / Pentium 4 / Pentium D / Celeron D بتردد يصل إلى 3.8 جيجا هرتز *It is recommended to use processors with 95W power consumption. Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology	وحدة المعالجة المركبة
ميجا هرتز 533 / 800 / 1066 / 1333 تردد	ميجا هرتز 533 / 800 / 1066 / 1333 تردد	النقل الأممي الجانبي
Intel 945GC Intel ICH7	Intel 945GC Intel ICH7	مجموعة لشراخ
Intel GMA 950 ميجا بايت 224 أقصى سعة لذاكرة الفيديو لمشوكة	Intel GMA 950 ميجا بايت 224 أقصى سعة لذاكرة الفيديو لمشوكة	بطاقة الرسوميات
2x DDR2 DIMM فتحة ميجا 256/512 سعة DDR2 تدعم ذاكرة من نوع DIMM تدعم كل فتحة بليت و 1 جيجا بايت سعة ذاكرة قصوى 2 جيجا بايت أحليبة مزوجة لفتحة DDR2 وحدة ذاكرة ميجا بايت 400 / 533 / 667 سعات DDR2 تدعم الذاكرة من نوع ECC و تلك التي لا تتوافق مع DIMM لا تدعم رقائق الذاكرة	2x DDR2 DIMM فتحة ميجا 256/512 سعة DDR2 تدعم ذاكرة من نوع DIMM تدعم كل فتحة بليت و 1 جيجا بايت سعة ذاكرة قصوى 2 جيجا بايت أحليبة مزوجة لفتحة DDR2 وحدة ذاكرة ميجا بايت 400 / 533 / 667 سعات DDR2 تدعم الذاكرة من نوع ECC و تلك التي لا تتوافق مع DIMM لا تدعم رقائق الذاكرة	الذاكرة الرئيسية
ITE 8712F مراقب لمعومة حلقة الأجهزة مراقب في سرعة لمروحة ITE من "Smart Guardian" وظيفة	ITE 8712F مراقب لمعومة حلقة الأجهزة مراقب في سرعة لمروحة ITE من "Smart Guardian" وظيفة	Super I/O
متكامل IDE متحكم Ultra DMA 33 / 66 / 100 نقل بتقية وضع رئيسي PIO Mode 0~4 دعم وضع	متكامل IDE متحكم Ultra DMA 33 / 66 / 100 نقل بتقية وضع رئيسي PIO Mode 0~4 دعم وضع	منفذ IDE
متكامل Serial ATA متحكم نقل البيانات بسرعات تصل إلى 3 جيجابت/ثانية. الإصدار SATA مطابقة للمواصفات 2.0.	متكامل Serial ATA متحكم نقل البيانات بسرعات تصل إلى 3 جيجابت/ثانية. الإصدار SATA مطابقة للمواصفات 2.0.	SATA
Realtek RTL 8100C تقويض قطني 100/10 ميجا بايت /ثانية إمكانية النقل لمزيج الكامل/القصي	Realtek RTL 8110SC تقويض قطني 100/10 ميجا بايت /ثانية و 1 جيجا بايت/ثانية إمكانية النقل لمزيج الكامل/القصي	شبكة داخلية 100/10

945GC-M7G / 945GC Micro 775

945GC Micro 775		945GC-M7G			
ALC861VD(VER 6.X) / ALC888(VER 5.X)	ALC861VD(VER 6.X) / ALC888(VER 5.X)	5. قنوات لخرج الصوت1 (VER 6.X)	5. قنوات لخرج الصوت1 (VER 6.X)	كوديك الصوت	
7. قنوات لخرج الصوت1 (VER 5.X)	7. قنوات لخرج الصوت1 (VER 5.X)	تدعيم تقنية الصوت على التعريف من	تدعيم تقنية الصوت على التعريف من		
عدد 1 فتحة PCI Expressx16	عدد 1 فتحة PCI Expressx16	عدد 1 فتحة PCI Expressx1	عدد 1 فتحة PCI Expressx1	التحت	
عدد 1 فتحة PCI	عدد 2 فتحة PCI				
عدد 1 مقعد محرك أقراص مرنة	عدد 1 مقعد محرك أقراص مرنة	عدد 1 مقعد IDE	عدد 1 مقعد IDE	المنافذ على سطح اللوحة	
عدد 1 مقعد IDE	عدد 1 مقعد IDE	عدد 1 مقعد طابعة	عدد 1 مقعد طابعة		
عدد 1 مقعد SATA	عدد 4 مقعد SATA	عدد 1 مقعد اللوحة الأممية	عدد 1 مقعد اللوحة الأممية		
عدد 4 مقعد SATA	عدد 1 مقعد الصوت الأممي	عدد 1 مقعد CD-IN	عدد 1 مقعد CD-IN		
عدد 1 مقعد S/PDIF	عدد 1 مقعد S/PDIF	عدد 1 وصلة مروحة وحدة المعالجة المركزية	عدد 1 وصلة مروحة وحدة المعالجة المركزية		
عدد 1 مقعد USB	عدد 1 وصلة مروحة للظلم	عدد 1 وصلة مسح CMOS	عدد 1 وصلة مسح CMOS		
عدد 2 مقعد توصيل الطاقة (24دوس)	عدد 2 مقعد توصيل الطاقة (4دبليس)	عدد 1 مقعد توصيل الطاقة (24دوس)	عدد 1 مقعد توصيل الطاقة (4دبليس)		
عدد 1 مقعد توصيل الطاقة (4دبليس)					
عدد 1 لوحة مفاتيح PS/2	عدد 1 لوحة مفاتيح PS/2	عدد 1 مؤس PS/2	عدد 1 مؤس PS/2		منافذ دخل/خرج
عدد 1 مقعد تسلسلي	عدد 1 مقعد تسلسلي	عدد 1 مقعد VGA	عدد 1 مقعد VGA		اللوحة الخلفية
عدد 1 مقعد شبكة اتصال محلية	عدد 1 مقعد شبكة اتصال محلية	عدد 4 منافذ USB	عدد 4 منافذ USB		
عدد 3 مقيس صوت (Ver 6.x)	عدد 3 مقيس صوت (Ver 6.x)	عدد 6 مقيس صوت (Ver 5.x)	عدد 6 مقيس صوت (Ver 5.x)		
عدد 6 مقيس صوت (Ver 5.x)					
219 مم (عرض) 235 X مم (ارتفاع)	219 مم (عرض) 235 X مم (ارتفاع)				حجم اللوحة
Windows 2000 / XP / VISTA	Windows 2000 / XP / VISTA	دعم أنظمة تشغيل بيون إكسل في إنسفة أو إزالة الدعم لبي نظام تشغيل بإخلل أو Biostar تحتفظ بيون إكسل.	دعم أنظمة تشغيل بيون إكسل في إنسفة أو إزالة الدعم لبي نظام تشغيل بإخلل أو Biostar تحتفظ بيون إكسل.	دعم أنظمة تشغيل	

JAPANESE

	945GC-M7G	945GC Micro 775
CPU	LGA 775 Intel Core2Duo / Pentium 4 / Pentium D / Celeron D processor up to 3.8 GHz *It is recommended to use processors with 95W power consumption Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology	LGA 775 Intel Core2Duo / Pentium 4 / Pentium D / Celeron D processor up to 3.8 GHz *It is recommended to use processors with 95W power consumption Hyper-Threading Execute Disable Bit Enhanced Intel SpeedStep® Extended Memory 64 Technology
FSB	533 / 800 / 1066 / 1333 MHz	533 / 800 / 1066 / 1333 MHz
チップセット	Intel 945GC Intel ICH7	Intel 945GC Intel ICH7
グラフィックス	Intel GMA 950 最大の共有ビデオメモリは224MBです	Intel GMA 950 最大の共有ビデオメモリは224MBです
メインメモリ	DDR2 DIMMスロット x 2 各DIMMは256/512MB & 1GB DDR2をサポート 最大メモリ容量2GB デュアルチャンネルモードDDR2メモリモジュール DDR2 400 / 533 / 667 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 各DIMMは256/512MB & 1GB DDR2をサポート 最大メモリ容量2GB デュアルチャンネルモードDDR2メモリモジュール DDR2 400 / 533 / 667 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 8712F 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 8712F 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
IDE	統合IDEコントローラ Ultra DMA 33 / 66 / 100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バスマスタモード PIO Mode 0~4のサポート
SATA	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。
10/100 LAN	Realtek RTL 8110SC 10 / 100 / 1000 Mb/秒のオートネゴシエーション 半/全二重機能	Realtek RTL 8100C 10 / 100 Mb/秒のオートネゴシエーション 半/全二重機能

945GC-M7G / 945GC Micro 775

	945GC-M7G		945GC Micro 775	
サウンド Codec	ALC861VD(VER 6.X) / ALC888(VER 5.X) 5.1チャンネルオーディオアウト (VER 6X) 7.1チャンネルオーディオアウト (VER 5X) ハイデフィニションオーディオのサポート		ALC861VD(VER 6.X) / ALC888(VER 5.X) 5.1チャンネルオーディオアウト (VER 6X) 7.1チャンネルオーディオアウト (VER 5X) ハイデフィニションオーディオのサポート	
スロット	PCI Express x16スロット	x1	PCI Express x16スロット	x1
	PCI Express x1スロット	x1	PCI Express x1スロット	x1
	PCIスロット	x2	PCIスロット	x2
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
	プリンタポートコネクタ	x1	プリンタポートコネクタ	x1
	SATAコネクタ	x4	SATAコネクタ	x4
	フロントパネルコネクタ	x1	フロントパネルコネクタ	x1
	フロントオーディオコネクタ	x1	フロントオーディオコネクタ	x1
	CDインコネクタ	x1	CDインコネクタ	x1
	S/PDIFアウトコネクタ	x1	S/PDIFアウトコネクタ	x1
	CPUファンヘッダ	x1	CPUファンヘッダ	x1
	システムファンヘッダ	x1	システムファンヘッダ	x1
	CMOS クリアヘッダ	x1	CMOS クリアヘッダ	x1
	USBコネクタ	x2	USBコネクタ	x2
	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 (Ver 6.x)	x3	オーディオジャック (Ver 6.x)	x3
	オーディオジャック (Ver 5.x)	x6	オーディオジャック (Ver 5.x)	x6
ボードサイズ	219 mm (幅) X 235 mm (高さ)		219 mm (幅) X 235 mm (高さ)	
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。	

2007/08/03