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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

CALIFORNIA, USA ONLY

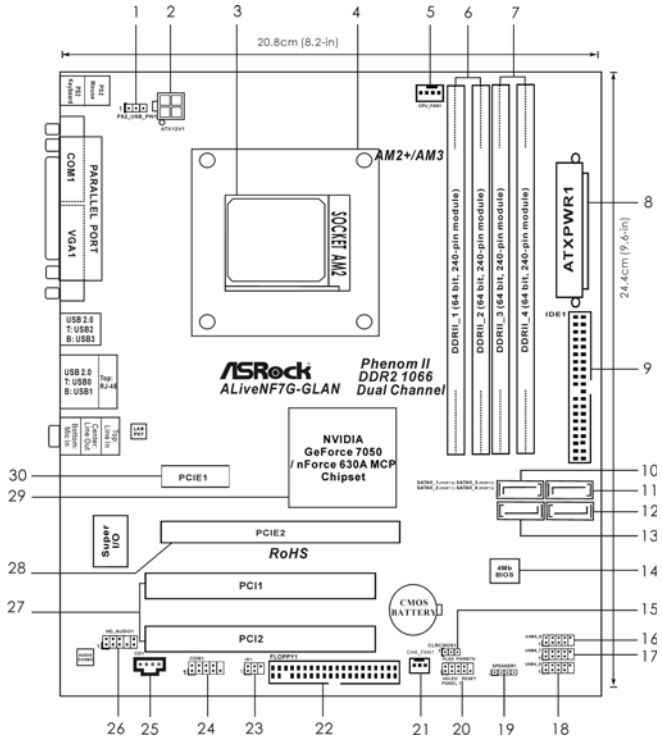
The Lithium battery adopted on this motherboard contains Perchlorate, a toxic substance controlled in Perchlorate Best Management Practices (BMP) regulations passed by the California Legislature. When you discard the Lithium battery in California, USA, please follow the related regulations in advance.
"Perchlorate Material-special handling may apply, see www.dtsc.ca.gov/hazardouswaste/perchlorate"

ASRock Website: http://www.asrock.com

Published February 2009

English

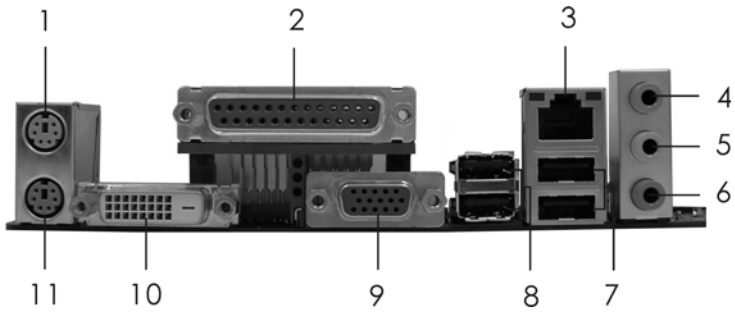
Motherboard Layout



1	PS2_USB_PW1 Jumper	16	USB 2.0 Header (USB8_9, Blue)
2	ATX 12V Power Connector (ATX12V1)	17	USB 2.0 Header (USB6_7, Blue)
3	AM2 940-Pin CPU Socket	18	USB 2.0 Header (USB4_5, Blue)
4	CPU Heatsink Retention Module	19	Chassis Speaker Header (SPEAKER 1, Purple)
5	CPU Fan Connector (CPU_FAN1)	20	System Panel Header (PANEL1, Orange)
6	2 x 240-pin DDR2 DIMM Slots (Dual Channel A: DDRII_1, DDRII_2; Yellow)	21	Chassis Fan Connector (CHA_FAN1)
7	2 x 240-pin DDR2 DIMM Slots (Dual Channel B: DDRII_3, DDRII_4; Orange)	22	Floppy Connector (FLOPPY1)
8	ATX Power Connector (ATXPWR1)	23	Infrared Module Header (IR1)
9	Primary IDE Connector (IDE1, Blue)	24	Serial Port Connector (COM1)
10	Primary SATAII Connector (SATAII_1 (PORT0))	25	Internal Audio Connector: CD1 (Black)
11	Third SATAII Connector (SATAII_3 (PORT2))	26	Front Panel Audio Header (HD_AUDIO1, Lime)
12	Fourth SATAII Connector (SATAII_4 (PORT3))	27	PCI Slots (PCI1- 2)
13	Secondary SATAII Connector (SATAII_2 (PORT1))	28	PCI Express x16 Slot (PCIE2)
14	SPI Flash Memory (4Mb)	29	NVIDIA GeForce 7050 / nForce 630A MCP
15	Clear CMOS Jumper (CLRCMOS1)	30	PCI Express x1 Slot (PCIE1)

English

ASRock 6CH_DVI I/O



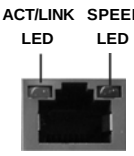
1	PS/2 Mouse Port (Green)	7	USB 2.0 Ports (USB01)
2	Parallel Port	8	USB 2.0 Ports (USB23)
3	RJ-45 Port	9	VGA/D-Sub Port
4	Line In (Light Blue)	10	VGA/DVI-D Port
* 5	Front Speaker (Lime)	11	PS/2 Keyboard Port (Purple)
6	Microphone (Pink)		

* There are two LED next to the LAN port. Please refer to the table below for the LAN port LED indications.

LAN Port LED Indications

Activity/Link LED	
Status	Description
Off	No Activity
Blinking	Data Activity

SPEED LED	
Status	Description
Off	10Mbps connection
Orange	100Mbps connection
Green	1Gbps connection



LAN Port

* To enable Multi-Streaming function, you need to connect a front panel audio cable to the front panel audio header. Please refer to below steps for the software setting of Multi-Streaming.

For Windows® XP:

After restarting your computer, you will find "Mixer" tool on your system. Please select "Mixer ToolBox"  , click "Enable playback multi-streaming", and click "ok". Choose "2CH" or "4CH" and then you are allowed to select "Realtek HDA Primary output" to use Rear Speaker and Front Speaker, or select "Realtek HDA Audio 2nd output" to use front panel audio. Then reboot your system.

For Windows® Vista™:

After restarting your computer, please double-click "Realtek HD Audio Manager" on the system tray. Set "Speaker Configuration" to "Quadraphonic" or "Stereo". Click "Device advanced settings", choose "Make front and rear output devices playbacks two different audio streams simultaneously", and click "ok". Then reboot your system.

English

1. Introduction

Thank you for purchasing ASRock ***ALiveNF7G-GLAN*** motherboard, a reliable motherboard produced under ASRock's consistently stringent quality control. It delivers excellent performance with robust design conforming to ASRock's commitment to quality and endurance.

This Quick Installation Guide contains introduction of the motherboard and step-by-step installation guide. More detailed information of the motherboard can be found in the user manual presented in the Support CD.

Because the motherboard specifications and the BIOS software might be updated, the content of this manual will be subject to change without notice. In case any modifications of this manual occur, the updated version will be available on ASRock website without further notice. You may find the latest VGA cards and CPU support lists on ASRock website as well. ASRock website http://www.asrock.com
If you require technical support related to this motherboard, please visit our website for specific information about the model you are using.
www.asrock.com/support/index.asp

1.1 Package Contents

1 x ASRock ***ALiveNF7G-GLAN*** Motherboard
(Micro ATX Form Factor: 9.6-in x 8.2-in, 24.4 cm x 20.8 cm)
1 x ASRock ***ALiveNF7G-GLAN*** Quick Installation Guide
2 x ASRock ***ALiveNF7G-GLAN*** Support CD
1 x Ultra ATA 66/100/133 IDE Ribbon Cable (80-conductor)
1 x Serial ATA (SATA) Data Cable (Optional)
1 x Serial ATA (SATA) HDD Power Cable (Optional)
1 x I/O Panel Shield

English

1.2 Specifications

Platform	- Micro ATX Form Factor: 9.6-in x 8.2-in, 24.4 cm x 20.8 cm
CPU	- Support for Socket AM2+ / AM2 processors: AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dual-Core / Athlon X2 Dual-Core / Athlon 64 / Sempron processor - Support for AM3 processors: AMD Phenom™ II X4 / X3 and Athlon II X4 / X3 / X2 processors - AMD LIVE!™ Ready - Supports AMD's Cool 'n' Quiet™ Technology - FSB 1000 MHz (2.0 GT/s) - Supports Untied Overclocking Technology (see **CAUTION 1**) - Supports Hyper-Transport Technology
Chipset	- NVIDIA® GeForce 7050 / nForce 630A MCP
Memory	- Dual Channel DDR2 Memory Technology (see **CAUTION 2**) - 4 x DDR2 DIMM slots - Support DDR2 1066/800/667/533 non-ECC, un-buffered memory (see **CAUTION 3**) - Max. capacity of system memory: 16GB (see **CAUTION 4**)
Expansion Slot	- 1 x PCI Express x16 slot - 1 x PCI Express x1 slot - 2 x PCI slots
Graphics	- Integrated NVIDIA® GeForce7 Series (NV44) - DX9.0 VGA, Pixel Shader 3.0 - Max. shared memory 256MB (see **CAUTION 5**) - Dual VGA Output: support DVI-D and D-Sub ports by independent display controllers - Supports HDCP function with DVI-D port - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback (see **CAUTION 6**) - NVIDIA® PureVideo™ Ready
Audio	- 5.1 CH Windows® Vista™ Premium Level HD Audio (ALC662 Audio Codec) - Chipset embedded HDMI Audio
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Realtek RTL8211CL - Supports Wake-On-LAN
Rear Panel I/O	ASRock 6CH_DVI I/O - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x VGA/D-Sub Port

English

	- 1 x VGA/DVI-D Port (see **CAUTION 7**) - 1 x Parallel Port (ECP/EPP Support) - 4 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Line in/Front Speaker/Microphone
Connector	- 4 x Serial ATAII 3.0Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5, JBOD), NCQ, AHCI and "Hot Plug" functions (see **CAUTION 8**) - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x IR header - 1 x COM port header - CPU/Chassis FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - CD in header - Front panel audio connector - 3 x USB 2.0 headers (support 6 USB 2.0 ports) (see **CAUTION 9**)
BIOS Feature	- 4Mb AMI BIOS - AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - Supports Smart BIOS
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version)
Unique Feature	- ASRock OC Tuner (see **CAUTION 10**) - Intelligent Energy Saver (see **CAUTION 11**) - Instant Boot - Hybrid Booster: - CPU Frequency Stepless Control (see **CAUTION 12**) - ASRock U-COP (see **CAUTION 13**) - Boot Failure Guard (B.F.G.) - ASRock AM2 Boost: ASRock Patented Technology to boost memory performance up to 12.5% (see **CAUTION 14**)
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, Vcore

English

OS	- Microsoft® Windows® XP / XP Media Center / XP 64-bit / Vista™ / Vista™ 64-bit compliant
Certifications	- FCC, CE, Microsoft® WHQL Certificated

* For detailed product information, please visit our website: http://www.asrock.com

WARNING

Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS, applying Untied Overclocking Technology, or using the third-party overclocking tools. Overclocking may affect your system stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking.

CAUTION!

1. This motherboard supports Untied Overclocking Technology. Please read "Untied Overclocking Technology" on page 25 for details.
2. This motherboard supports Dual Channel Memory Technology. Before you implement Dual Channel Memory Technology, make sure to read the installation guide of memory modules on page 12 for proper installation.
3. Whether 1066MHz memory speed is supported depends on the AM2+ CPU you adopt. If you want to adopt DDR2 1066 memory module on this motherboard, please refer to the memory support list on our website for the compatible memory modules.
   ASRock website http://www.asrock.com
4. Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® XP and Windows® Vista™. For Windows® XP 64-bit and Windows® Vista™ 64-bit with 64-bit CPU, there is no such limitation.
5. The maximum shared memory size is defined by the chipset vendor and is subject to change. Please check NVIDIA® website for the latest information.
6. 1080p Blu-ray (BD) / HD-DVD playback support on this motherboard requires the proper hardware configuration. Please refer to page 9 and 10 for the minimum hardware requirement and the passed 1080p Blu-ray (BD) / HD-DVD films in our lab test.
7. This DVI-D port for the chipset adopted on this motherboard can support DVI/HDCP and HDMI format signal. You may use the DVI to HDMI adapter to convert this DVI-D port to HDMI interface. DVI to HDMI adapter is not bundled with our product, please refer to the adapter vendor for further information.
8. Before installing SATAII hard disk to SATAII connector, please read the "SATAII Hard Disk Setup Guide" on page 28 of "User Manual" in the support CD to adjust your SATAII hard disk drive to SATAII mode. You can also connect SATA hard disk to SATAII connector directly.
9. Power Management for USB 2.0 works fine under Microsoft® Windows® Vista™ 64-bit / Vista™ / XP 64-bit / XP SP1 or SP2.

English

10. It is a user-friendly ASRock overclocking tool which allows you to surveil your system by hardware monitor function and overclock your hardware devices to get the best system performance under Windows® environment. Please visit our website for the operation procedures of ASRock OC Tuner. ASRock website: http://www.asrock.com
11. Featuring an advanced proprietary hardware and software design, Intelligent Energy Saver is a revolutionary technology that delivers unparalleled power savings. The voltage regulator can reduce the number of output phases to improve efficiency when the CPU cores are idle. In other words, it is able to provide exceptional power saving and improve power efficiency without sacrificing computing performance. To use Intelligent Energy Saver function, please enable Cool 'n' Quiet option in the BIOS setup in advance. Please visit our website for the operation procedures of Intelligent Energy Saver.
ASRock website: http://www.asrock.com
12. Although this motherboard offers stepless control, it is not recommended to perform over-clocking. Frequencies other than the recommended CPU bus frequencies may cause the instability of the system or damage the CPU.
13. While CPU overheat is detected, the system will automatically shutdown. Before you resume the system, please check if the CPU fan on the motherboard functions properly and unplug the power cord, then plug it back again. To improve heat dissipation, remember to spray thermal grease between the CPU and the heatsink when you install the PC system.
14. This motherboard supports ASRock AM2 Boost overclocking technology. If you enable this function in the BIOS setup, the memory performance will improve up to 12.5%, but the effect still depends on the AM2 CPU you adopt. Enabling this function will overclock the chipset/CPU reference clock. However, we can not guarantee the system stability for all CPU/DRAM configurations. If your system is unstable after AM2 Boost function is enabled, it may not be applicative to your system. You may choose to disable this function for keeping the stability of your system.

English

1.3 Minimum Hardware Requirement for 1080p Blu-ray (BD) / HD-DVD Playback Support

1080p Blu-ray (BD) / HD-DVD playback support on this motherboard requires the proper hardware configuration. Please refer to below table for the minimum hardware requirement.

CPU	AMD Phenom X4 9100
VGA	Onboard VGA with DVI-D port
Memory	Dual Channel DDR2 800, 1GB x 2
Suggested OS	Windows® Vista™ or Windows® Vista™ 64

* If you need to use CyberLink PowerDVD Ultra version 7.3, we suggest to disable Hardware Acceleration function for better playback performance and compatibility. After executing CyberLink PowerDVD Ultra program, please follow below steps to disable Hardware Acceleration function.
  A. Right-click the main page of CyberLink PowerDVD Ultra program.
  B. Click “Configuration”.
  C. Select “Video”.
  D. Click “Enable hardware acceleration (nVidia PureVideo)” to remove the “V” mark in this item.
  E. Click “OK” to save the change.

English

1.4 Passed 1080p Blu-ray (BD) / HD-DVD Films in Our Lab Test

DVD Type	Film Name	Format	Producer
Blu-ray DVD	SWORDFISH	VC-1	WB
	THE TRANSPORTER	MPEG-2	FOX
	UNDERWORLD EVOLUTION	MPEG-2	SONY
	GLORY ROAD	MPEG-4-AVC	WALT DISNEY
	THE LEAGUE OF EXTRAORDINARY GENTLEMEN	MPEG-4-AVC	FOX
HD-DVD	KING KONG	VC-1	UNIVERSAL
	MISSION IMPOSSIBLE III	VC-1	PARAMOUNT
	THE CHRONICLES OF RIDDICK	VC-1	UNIVERSAL
	THE LAST SAMURAI	VC-1	WBHIDEF
	A VIEW FROM SPACE	MPEG-2	WEA
	NEW ORLEANS CONCERT	MPEG-2	WEA
	ONE SIX RIGHT	MPEG-2	TERWILLIGER
	THE INTERPRETER	MPEG-4-AVC	UNIVERSAL

* MPEG-4-AVC mentioned above refers to the same format of H.264.

* Above passed films are tested under below configuration.

Items	Configurations
CPU	AMD Phenom X4 9100
VGA	Onboard VGA with DVI-D port
Memory	Dual Channel DDR2 800, 1GB x 2
OS	Windows® Vista™ or Windows® Vista™ 64
Playback Software	CyberLink PowerDVD Ultra
DVD Player	Pioneer BDR-101A / LG GBW-H10N (BD)
	HP HD100 (HD-DVD)

English

2. Installation

Pre-installation Precautions

Take note of the following precautions before you install motherboard components or change any motherboard settings.

1. Unplug the power cord from the wall socket before touching any component. Failure to do so may cause severe damage to the motherboard, peripherals, and/or components.
2. To avoid damaging the motherboard components due to static electricity, NEVER place your motherboard directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before you handle components.
3. Hold components by the edges and do not touch the ICs.
4. Whenever you uninstall any component, place it on a grounded antstatic pad or in the bag that comes with the component.
5. When placing screws into the screw holes to secure the motherboard to the chassis, please do not over-tighten the screws! Doing so may damage the motherboard.

2.1 CPU Installation

Step 1. Unlock the socket by lifting the lever up to a 90° angle.

Step 2. Position the CPU directly above the socket such that the CPU corner with the golden triangle matches the socket corner with a small triangle.

Step 3. Carefully insert the CPU into the socket until it fits in place.

The CPU fits only in one correct orientation. DO NOT force the CPU into the socket to avoid bending of the pins.

Step 4. When the CPU is in place, press it firmly on the socket while you push down the socket lever to secure the CPU. The lever clicks on the side tab to indicate that it is locked.

Step 5. Install CPU fan and heatsink. For proper installation, please kindly refer to the instruction manuals of your CPU fan and heatsink vendors.

English

2.2 Installation of Memory Modules (DIMM)

This motherboard provides four 240-pin DDR2 (Double Data Rate 2) DIMM slots, and supports Dual Channel Memory Technology. For dual channel configuration, you always need to install **identical** (the same brand, speed, size and chip-type) DDR2 DIMM pair in the slots of the same color. In other words, you have to install **identical** DDR2 DIMM pair in **Dual Channel A** (DDRII_1 and DDRII_2; Yellow slots; see p.2 No.6) or **identical** DDR2 DIMM pair in **Dual Channel B** (DDRII_3 and DDRII_4; Orange slots; see p.2 No.7), so that Dual Channel Memory Technology can be activated. This motherboard also allows you to install four DDR2 DIMMs for dual channel configuration, and please install **identical** DDR2 DIMMs in all four slots. You may refer to the Dual Channel Memory Configuration Table below.

Dual Channel Memory Configurations

	DDRII_1 (Yellow Slot)	DDRII_2 (Yellow Slot)	DDRII_3 (Orange Slot)	DDRII_4 (Orange Slot)
(1)	Populated	Populated	-	-
(2)	-	-	Populated	Populated
(3)*	Populated	Populated	Populated	Populated

* For the configuration (3), please install **identical** DDR2 DIMMs in all four slots.

1. If you want to install two memory modules, for optimal compatibility and reliability, it is recommended to install them in the slots of the same color. In other words, install them either in the set of yellow slots (DDRII_1 and DDRII_2), or in the set of orange slots (DDRII_3 and DDRII_4).
2. If only one memory module or three memory modules are installed in the DDR2 DIMM slots on this motherboard, it is unable to activate the Dual Channel Memory Technology.
3. If a pair of memory modules is NOT installed in the same Dual Channel, for example, installing a pair of memory modules in DDRII_1 and DDRII_3, it is unable to activate the Dual Channel Memory Technology .
4. It is not allowed to install a DDR memory module into DDR2 slot; otherwise, this motherboard and DIMM may be damaged.

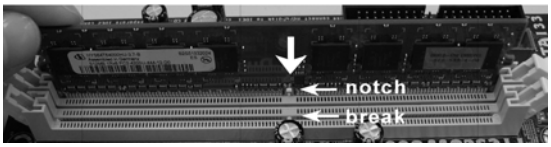
English

Installing a DIMM

Please make sure to disconnect power supply before adding or removing DIMMs or the system components.

Step 1. Unlock a DIMM slot by pressing the retaining clips outward.

Step 2. Align a DIMM on the slot such that the notch on the DIMM matches the break on the slot.



The DIMM only fits in one correct orientation. It will cause permanent damage to the motherboard and the DIMM if you force the DIMM into the slot at incorrect orientation.

Step 3. Firmly insert the DIMM into the slot until the retaining clips at both ends fully snap back in place and the DIMM is properly seated.

English

2.3 Expansion Slots (PCI and PCI Express Slots)

There are 2 PCI slots and 2 PCI Express slots on this motherboard.

PCI slots: PCI slots are used to install expansion cards that have the 32-bit PCI interface.

PCIE slots: PCIE1 (PCIE x1 slot) is used for PCI Express cards with x1 lane width cards, such as Gigabit LAN card, SATA2 card, etc.
PCIE2 (PCIE x16 slot) is used for PCI Express cards with x16 lane width graphics cards.

Installing an expansion card

Step 1. Before installing the expansion card, please make sure that the power supply is switched off or the power cord is unplugged. Please read the documentation of the expansion card and make necessary hardware settings for the card before you start the installation.

Step 2. Remove the bracket facing the slot that you intend to use. Keep the screws for later use.

Step 3. Align the card connector with the slot and press firmly until the card is completely seated on the slot.

Step 4. Fasten the card to the chassis with screws.

2.4 Dual Monitor and Surround Display Features

Dual Monitor Feature

This motherboard supports dual monitor feature. With the internal dual VGA output support (DVI-D and D-Sub), you can easily enjoy the benefits of dual monitor feature without installing any add-on VGA card to this motherboard. This motherboard also provides independent display controllers for DVI-D and D-Sub to support dual VGA output so that DVI-D and D-sub can drive same or different display contents. To enable dual monitor feature, please follow the below steps:

1. Connect the DVI-D monitor cable to the VGA/DVI-D port on the I/O panel of this motherboard. Connect the D-Sub monitor cable to the VGA/D-Sub port on the I/O panel of this motherboard.

VGA/DVI-D port **VGA/D-Sub port**

2. If you have installed onboard VGA driver from our support CD to your system already, you can freely enjoy the benefits of dual monitor function provided by VGA/DVI-D and VGA/D-Sub ports with this motherboard after your system boots. If you haven't installed onboard VGA driver yet, please install onboard VGA driver from our support CD to your system and restart your computer. Then you can start to use dual monitor function provided by VGA/DVI-D and VGA/D-Sub ports with this motherboard.

When you playback HDCP-protected video from Blu-ray (BD) or HD-DVD disc, the content will be displayed only in one of the two monitors instead of both monitors.

English

Surround Display Feature

This motherboard supports surround display upgrade. With the internal dual VGA output support (DVI-D and D-Sub) and the external add-on PCI Express VGA card, you can easily enjoy the benefits of surround display feature. Please refer to the following steps to set up a surround display environment:

1. Install the NVIDIA® PCI Express VGA card to PCI Express slot. Please refer to page 14 for proper expansion card installation procedures for details.
2. Connect the DVI-D monitor cable to the VGA/DVI-D port on the I/O panel of this motherboard. Connect the D-Sub monitor cable to the VGA/D-Sub port on the I/O panel of this motherboard. And connect the other monitor cables to the corresponding connectors of the add-on PCI Express VGA cards on PCIE2 slot.
3. Boot your system. Press <F2> to enter BIOS setup. Enter “Share Memory” option to adjust the memory capability to [32MB], [64MB], [128MB] or [256MB] to enable the function of VGA/D-sub. Please make sure that the value you select is less than the total capability of the system memory. If you do not adjust the BIOS setup, the default value of “Share Memory”, [Auto], will disable VGA/D-Sub function when the add-on VGA card is inserted to this motherboard.
4. Install the onboard VGA driver and the add-on PCI Express VGA card driver to your system. If you have installed the onboard VGA driver and the add-on PCI Express VGA card driver already, there is no need to install them again.
5. Set up a multi-monitor display.

   For Windows® 2000 / XP / XP 64-bit OS:

   Right click the desktop, choose “Properties”, and select the “Settings” tab so that you can adjust the parameters of the multi-monitor according to the steps below.

   A. Click the “Identify” button to display a large number on each monitor.
   B. Right-click the display icon in the Display Properties dialog that you wish to be your primary monitor, and then select “Primary”. When you use multiple monitors with your card, one monitor will always be Primary, and all additional monitors will be designated as Secondary.
   C. Select the display icon identified by the number 2.
   D. Click “Extend my Windows desktop onto this monitor”.
   E. Right-click the display icon and select “Attached”, if necessary.
   F. Set the “Screen Resolution” and “Color Quality” as appropriate for the second monitor. Click “Apply” or “OK” to apply these new values.
   G. Repeat steps C through E for the diaplay icon identified by the number one, two, three and four.

   For Windows® Vista™ / Vista™ 64-bit OS:

   Right click the desktop, choose “Personalize”, and select the “Display Settings” tab so that you can adjust the parameters of the multi-monitor according to the steps below.

A. Click the number ”2” icon.
B. Click the items “This is my main monitor” and “Extend the desktop onto this monitor”.
C. Click “OK” to save your change.
D. Repeat steps A through C for the display icon identified by the number three and four.

6. Use Surround Display. Click and drag the display icons to positions representing the physical setup of your monitors that you would like to use. The placement of display icons determines how you move items from one monitor to another.

HDCP Function with DVI-D Port

HDCP function is supported with DVI-D port on this motherboard. To use HDCP function with this motherboard, you need to adopt the monitor that supports HDCP function as well. Therefore, you can enjoy the superior display quality with high-definition HDCP encryption contents. Please refer to below instruction for more details about HDCP function.

What is HDCP?

HDCP stands for High-Bandwidth Digital Content Protection, a specification developed by Intel® for protecting digital entertainment content that uses the DVI interface. HDCP is a copy protection scheme to eliminate the possibility of intercepting digital data midstream between the video source, or transmitter - such as a computer, DVD player or set-top box - and the digital display, or receiver - such as a monitor, television or projector. In other words, HDCP specification is designed to protect the integrity of content as it is being transmitted.

Products compatible with the HDCP scheme such as DVD players, satellite and cable HDTV set-top-boxes, as well as few entertainment PCs requires a secure connection to a compliant display. Due to the increase in manufacturers employing HDCP in their equipment, it is highly recommended that the HDTV or LCD monitor you purchase is compatible.

2.5 HDMI Audio Function Operation Guide

The DVI-D port for the chipset adopted on this motherboard can support DVI/HDCP and HDMI format signal. You may use the DVI to HDMI adapter to convert the DVI-D port to HDMI interface. Please follow below steps to enable HDMI audio function according to the OS you install.

1. DVI to HDMI adapter is not bundled with this motherboard, please refer to the adapter vendor for further information.
2. If you install the DVI-D monitor instead of the HDMI monitor on this motherboard and enable HDMI audio function, the film you play may pause sometimes.

For Windows® XP / XP 64-bit OS

Step 1: Set up BIOS.

A. Enter BIOS SETUP UTILITY → Advanced screen → Chipset Configuration.

B. Set the option "OnBoard HDMI HD Audio" to [Auto].

Step 2: Install HDMI audio driver to your system.

Install "Onboard HDMI HD Audio Driver" from ASRock Support CD to your system.

Step 3: Reboot your system.

After you reboot the system, the HDMI audio function is available.

After HDMI audio driver is installed, the OS default will output the audio signal through HDMI audio. Therefore, the onboard audio jack will not function.

For Windows® Vista™ / Vista™ 64-bit OS

Step 1: Set up BIOS.

A. Enter BIOS SETUP UTILITY → Advanced screen → Chipset Configuration.

B. Set the option "OnBoard HDMI HD Audio" to [Auto].

Step 2: Enter Windows® to set up your system manually.

A. Click "Start" button, select "Settings", and then click "Control Panel".

B. Click "Hardware and Sound", and click "Sound".

C. Change the default setting "Speaker" to "Digital Output Device (HDMI)".

D. Click "OK" to finish the setting.

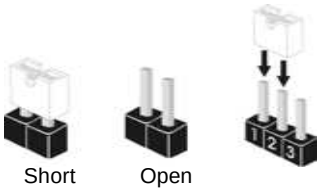
Step 3: Reboot your system.

After you reboot the system, the HDMI audio function is available.

English

2.6 Jumpers Setup

The illustration shows how jumpers are setup. When the jumper cap is placed on pins, the jumper is “Short”. If no jumper cap is placed on pins, the jumper is “Open”. The illustration shows a 3-pin jumper whose pin1 and pin2 are “Short” when jumper cap is placed on these 2 pins.



Short Open

Jumper	Setting	
PS2_USB_PW1 (see p.2, No. 1)		Short pin2, pin3 to enable +5VSB (standby) for PS/2 or USB wake up events.

Note: To select +5VSB, it requires 2 Amp and higher standby current provided by power supply.

Clear CMOS Jumper (CLRCMOS1) (see p.2, No. 15)	 Default  Clear CMOS	

Note: CLRCMOS1 allows you to clear the data in CMOS. The data in CMOS includes system setup information such as system password, date, time, and system setup parameters. To clear and reset the system parameters to default setup, please turn off the computer and unplug the power cord from the power supply. After waiting for 15 seconds, use a jumper cap to short pin2 and pin3 on CLRCMOS1 for 5 seconds. However, please do not clear the CMOS right after you update the BIOS. If you need to clear the CMOS when you just finish updating the BIOS, you must boot up the system first, and then shut it down before you do the clear-CMOS action.

English

2.7 Onboard Headers and Connectors

Onboard headers and connectors are NOT jumpers. Do NOT place jumper caps over these headers and connectors. Placing jumper caps over the headers and connectors will cause permanent damage of the motherboard!

Floppy Connector
(33-pin FLOPPY1)
(see p.2 No. 22)

Note: Make sure the red-striped side of the cable is plugged into Pin1 side of the connector.

Primary IDE connector (Blue)
(39-pin IDE1, see p.2 No. 9)

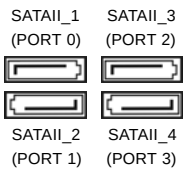
connect the blue end to the motherboard

connect the black end to the IDE devices

80-conductor ATA 66/100/133 cable

Note: Please refer to the instruction of your IDE device vendor for the details.

Serial ATAII Connectors
(SATAII_1 (PORT 0): see p.2, No. 10)
(SATAII_2 (PORT 1): see p.2, No. 13)
(SATAII_3 (PORT 2): see p.2, No. 11)
(SATAII_4 (PORT 3): see p.2, No. 12)

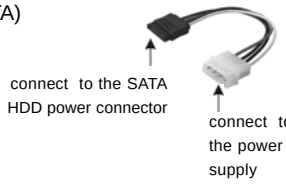


These four Serial ATAII (SATAII) connectors support SATAII or SATA hard disk for internal storage devices. The current SATAII interface allows up to 3.0 Gb/s data transfer rate.

Serial ATA (SATA) Data Cable (Optional)

Either end of the SATA data cable can be connected to the SATA / SATAII hard disk or the SATAII connector on the motherboard.

Serial ATA (SATA) Power Cable (Optional)



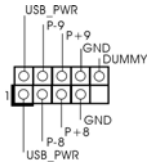
Please connect the black end of SATA power cable to the power connector on each drive. Then connect the white end of SATA power cable to the power connector of the power supply.

English

USB 2.0 Headers

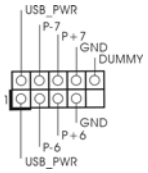
(9-pin USB8_9)

(see p.2 No. 16)



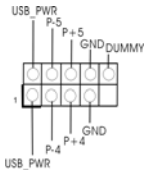
(9-pin USB6_7)

(see p.2 No. 17)



(9-pin USB4_5)

(see p.2 No. 18)

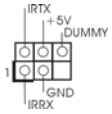


Besides four default USB 2.0 ports on the I/O panel, there are three USB 2.0 headers on this motherboard. Each USB 2.0 header can support two USB 2.0 ports.

Infrared Module Header

(5-pin IR1)

(see p.2 No. 23)

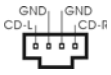


This header supports an optional wireless transmitting and receiving infrared module.

Internal Audio Connectors

(4-pin CD1)

(CD1: see p.2 No. 25)



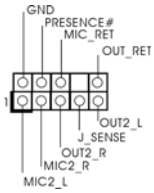
CD1

This connector allows you to receive stereo audio input from sound sources such as a CD-ROM, DVD-ROM, TV tuner card, or MPEG card.

Front Panel Audio Header

(9-pin HD_AUDIO1)

(see p.2, No. 26)



This is an interface for the front panel audio cable that allows convenient connection and control of audio devices.

1. High Definition Audio supports Jack Sensing, but the panel wire on the chassis must support HDA to function correctly. Please follow the instruction in our manual and chassis manual to install your system.
2. If you use AC'97 audio panel, please install it to the front panel audio header as below:
   A. Connect Mic_IN (MIC) to MIC2_L.
   B. Connect Audio_R (RIN) to OUT2_R and Audio_L (LIN) to OUT2_L.
   C. Connect Ground (GND) to Ground (GND).

English

D. MIC_RET and OUT_RET are for HD audio panel only. You don't need to connect them for AC'97 audio panel.

E. Enter BIOS Setup Utility. Enter Advanced Settings, and then select Chipset Configuration. Set the Front Panel Control option from [Auto] to [Enabled].

F. Enter Windows system. Click the icon on the lower right hand taskbar to enter Realtek HD Audio Manager.

For Windows® XP / XP 64-bit OS:

Click "Audio I/O", select "Connector Settings"  , choose "Disable front panel jack detection", and save the change by clicking "OK".

For Windows® Vista™ / Vista™ 64-bit OS:

Click the right-top "Folder" icon  , choose "Disable front panel jack detection", and save the change by clicking "OK".

G. To activate the front mic.

For Windows® XP / XP 64-bit OS:

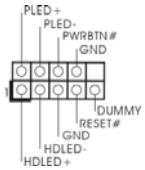
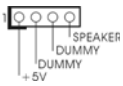
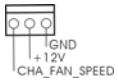
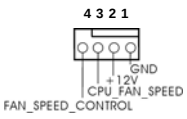
Please select "Front Mic" as default record device.

If you want to hear your voice through front mic, please deselect "Mute" icon in "Front Mic" of "Playback" portion.

For Windows® Vista™ / Vista™ 64-bit OS:

Go to the "Front Mic" Tab in the Realtek Control panel.

Click "Set Default Device" to make the Front Mic as the default record device.

System Panel Header (9-pin PANEL1) (see p.2 No. 20)		This header accommodates several system front panel functions.
Chassis Speaker Header (4-pin SPEAKER 1) (see p.2 No. 19)		Please connect the chassis speaker to this header.
Chassis Fan Connector (3-pin CHA_FAN1) (see p.2 No. 21)		Please connect a chassis fan cable to this connector and match the black wire to the ground pin.
CPU Fan Connector (4-pin CPU_FAN1) (see p.2 No. 5)		Please connect the CPU fan cable to this connector and match the black wire to the ground pin.

English

Though this motherboard provides 4-Pin CPU fan (Quiet Fan) support, the 3-Pin CPU fan still can work successfully even without the fan speed control function. If you plan to connect the 3-Pin CPU fan to the CPU fan connector on this motherboard, please connect it to Pin 1-3.

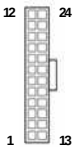
Pin 1-3 Connected

3-Pin Fan Installation

ATX Power Connector

(24-pin ATXPWR1)

(see p.2 No. 8)



Please connect an ATX power supply to this connector.

Though this motherboard provides 24-pin ATX power connector, it can still work if you adopt a traditional 20-pin ATX power supply. To use the 20-pin ATX power supply, please plug your power supply along with Pin 1 and Pin 13.

20-Pin ATX Power Supply Installation

ATX 12V Power Connector

(4-pin ATX12V1)

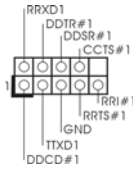
(see p.2 No. 2)

Please note that it is necessary to connect a power supply with ATX 12V plug to this connector. Failing to do so will cause power up failure.

Serial port Header

(9-pin COM1)

(see p.2 No.24)



This COM1 header supports a serial port module.

English

2.8 Driver Installation Guide

To install the drivers to your system, please insert the support CD to your optical drive first. Then, the drivers compatible to your system can be auto-detected and listed on the support CD driver page. Please follow the order from up to bottom side to install those required drivers. Therefore, the drivers you install can work properly.

2.9 Installing Windows® XP / XP 64-bit / Vista™ / Vista™ 64-bit Without RAID Functions

If you want to install Windows® XP, Windows® XP 64-bit, Windows® Vista™ or Windows® Vista™ 64-bit on your SATA / SATAII HDDs without RAID functions, please follow below procedures according to the OS you install.

2.9.1 Installing Windows® XP / XP 64-bit Without RAID Functions

If you want to install Windows® XP / Windows® XP 64-bit on your SATA / SATAII HDDs without RAID functions, please follow below steps.

Using SATA / SATAII HDDs without NCQ and Hot Plug functions

STEP 1: Set Up BIOS.

A. Enter BIOS SETUP UTILITY→ Advanced screen → IDE Configuration.

B. Set the “SATA Operation Mode” option to [IDE].

STEP 2: Install Windows® XP / XP 64-bit OS on your system.

2.9.2 Installing Windows® Vista™ / Vista™ 64-bit Without RAID Functions

If you want to install Windows® Vista™ / Windows® Vista™ 64-bit on your SATA / SATAII HDDs without RAID functions, please follow below steps.

Using SATA / SATAII HDDs without NCQ and Hot Plug functions

STEP 1: Set Up BIOS.

A. Enter BIOS SETUP UTILITY→ Advanced screen → IDE Configuration.

B. Set the “SATA Operation Mode” option to [IDE].

STEP 2: Install Windows® Vista™ / Vista™ 64-bit OS on your system.

English

Using SATA / SATAII HDDs with NCQ and Hot Plug functions

STEP 1: Set Up BIOS.

A. Enter BIOS SETUP UTILITY→ Advanced screen → IDE Configuration.

B. Set the "SATA Operation Mode" option to [AHCI].

STEP 2: Install Windows® Vista™ / Vista™ 64-bit OS on your system.

Insert the Windows® Vista™ / Windows® Vista™ 64-bit optical disk into the optical drive to boot your system, and follow the instruction to install Windows® Vista™ / Windows® Vista™ 64-bit OS on your system. When you see "Where do you want to install Windows? " page, please insert the ASRock Support CD into your optical drive, and click the "Load Driver" button on the left on the bottom to load the NVIDIA® AHCI drivers. NVIDIA® AHCI drivers are in the following path in our Support CD:
(There are two ASRock Support CD in the motherboard gift box pack, please choose the one for Windows® Vista™ / Vista™ 64-bit.)

.. \ I386 \ AHCI_Vista (For Windows® Vista™ OS)

.. \ AMD64\ AHCI_Vista64 (For Windows® Vista™ 64-bit OS)

After that, please insert Windows® Vista™ / Windows® Vista™ 64-bit optical disk into the optical drive again to continue the installation.

2.10 Installing Windows® XP / XP 64-bit / Vista™ / Vista™ 64-bit With RAID Functions

If you want to install Windows® XP / XP 64-bit / Vista™ / Vista™ 64-bit on your SATA / SATAII HDDs with RAID functions, please refer to the document at the following path in the Support CD for detailed procedures:

..\ RAID Installation Guide

2.11 Untied Overclocking Technology

This motherboard supports Untied Overclocking Technology, which means during overclocking, FSB enjoys better margin due to fixed PCI / PCIE buses. Before you enable Untied Overclocking function, please enter "Overclock Mode" option of BIOS setup to set the selection from [Auto] to [CPU, PCIE, Async.]. Therefore, CPU FSB is untied during overclocking, but PCI / PCIE buses are in the fixed mode so that FSB can operate under a more stable overclocking environment.

Please refer to the warning on page 7 for the possible overclocking risk before you apply Untied Overclocking Technology.

English

3. BIOS Information

The Flash Memory on the motherboard stores BIOS Setup Utility. When you start up the computer, please press <F2> during the Power-On-Self-Test (POST) to enter BIOS Setup utility; otherwise, POST continues with its test routines. If you wish to enter BIOS Setup after POST, please restart the system by pressing <Ctl> + <Alt> + <Delete>, or pressing the reset button on the system chassis. The BIOS Setup program is designed to be user-friendly. It is a menu-driven program, which allows you to scroll through its various sub-menus and to select among the predetermined choices. For the detailed information about BIOS Setup, please refer to the User Manual (PDF file) contained in the Support CD.

4. Software Support CD information

This motherboard supports various Microsoft® Windows® operating systems: XP / XP Media Center / XP 64-bit / Vista™ / Vista™ 64-bit. The Support CD that came with the motherboard contains necessary drivers and useful utilities that will enhance motherboard features. To begin using the Support CD, insert the CD into your CD-ROM drive. It will display the Main Menu automatically if "AUTORUN" is enabled in your computer. If the Main Menu does not appear automatically, locate and double-click on the file "ASSETUP.EXE" from the "BIN" folder in the Support CD to display the menus.

1. Einführung

Wir danken Ihnen für den Kauf des ASRock ***ALiveNF7G-GLAN*** Motherboard, ein zuverlässiges Produkt, welches unter den ständigen, strengen Qualitätskontrollen von ASRock gefertigt wurde. Es bietet Ihnen exzellente Leistung und robustes Design, gemäß der Verpflichtung von ASRock zu Qualität und Halbarkeit.
Diese Schnellinstallationsanleitung führt in das Motherboard und die schrittweise Installation ein. Details über das Motherboard finden Sie in der Bedienungsanleitung auf der Support-CD.

Da sich Motherboard-Spezifikationen und BIOS-Software verändern können, kann der Inhalt dieses Handbuches ebenfalls jederzeit geändert werden. Für den Fall, dass sich Änderungen an diesem Handbuch ergeben, wird eine neue Version auf der ASRock-Website, ohne weitere Ankündigung, verfügbar sein. Die neuesten Grafikkarten und unterstützten CPUs sind auch auf der ASRock-Website aufgelistet.
ASRock-Website: http://www.asrock.com
Wenn Sie technische Unterstützung zu Ihrem Motherboard oder spezifische Informationen zu Ihrem Modell benötigen, besuchen Sie bitte unsere Webseite:
www.asrock.com/support/index.asp

1.1 Kartoninhalt

ASRock ***ALiveNF7G-GLAN*** Motherboard
(Micro ATX-Formfaktor: 24.4 cm x 20.8 cm; 9.6 Zoll x 8.2 Zoll)
ASRock ***ALiveNF7G-GLAN*** Schnellinstallationsanleitung
ASRock ***ALiveNF7G-GLAN*** Support-CD
Ein 80-adriges Ultra-ATA 66/100/133 IDE-Flachbandkabel
Ein Seriell-ATA- (SATA) Datenkabel (Option)
Ein Seriell-ATA (SATA) Festplattennetzkabel (Option)
Ein I/O Shield

Deutsch

1.2 Spezifikationen

Plattform	- Micro ATX-Formfaktor: 24.4 cm x 20.8 cm; 9.6 Zoll x 8.2 Zoll
CPU	- Unterstützung für Socket AM2+ / AM2-Prozessoren: AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dualkern / Athlon X2 Dualkern / Athlon 64 / Sempron-Prozessor - Unterstützung von AM3-Prozessoren: AMD Phenom™ II X4 / X3 und Athlon X4 / X3 / X2-Prozessor - AMD LIVE!™-bereit - Unterstützt Cool 'n' Quiet™-Technologie von AMD - FSB 1000 MHz (2.0 GT/s) - Unterstützt Untied-Übertaktungstechnologie (siehe **VORSICHT 1**) - Unterstützt Hyper-Transport-Technologie
Chipsatz	- NVIDIA® GeForce 7050 / nForce 630A MCP
Speicher	- Unterstützung von Dual-Kanal-Speichertechnologie (siehe **VORSICHT 2**) - 4 x Steckplätze für DDR2 - Unterstützt DDR2 1066/800/667/533 non-ECC, ungepufferter Speicher (siehe **VORSICHT 3**) - Max. Kapazität des Systemspeichers: 16GB (siehe **VORSICHT 4**)
Erweiterungs-steckplätze	- 1 x PCI Express x16-Steckplätze - 1 x PCI Express x1-Steckplätze - 2 x PCI-Steckplätze
Onboard-VGA	- Integrierte NVIDIA® GeForce7 Serie (NV44) - DX9.0 VGA, Pixel Shader 3.0 - Maximal gemeinsam genutzter Speicher 256 MB (siehe **VORSICHT 5**) - Doppel-VGA Ausgabe: unterstützt DVI-D und D-Sub Ports durch unabhängige Bildschirmanzeige Kontrolleure - unterstützt HDCP Funktion mit DVI-D Port - Unterstutzt 1080p Blu-ray (BD) / HD-DVD-Wiedergabe (siehe **VORSICHT 6**) - NVIDIA® PureVideo™ betriebsbereit
Audio	- 5.1 CH Windows® Vista™ Premium Level HD Audio (ALC662 Audio Codec) - Chipsatz eingebettetes HDMI Audio
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Realtek RTL8211CL - Unterstützt Wake-On-LAN

E/A-Anschlüsse an der Rückseite	ASRock 6CH_DVI I/O - 1 x PS/2-Mausanschluss - 1 x PS/2-Tastaturanschluss - 1 x VGA/D-Sub port - 1 x VGA/DVI-D port (siehe **VORSICHT 7**) - 1 x Paralleler port: Unterstützung für ECP / EPP - 4 x Standard-USB 2.0-Anschlüsse - 1 x RJ-45 LAN Port mit LED (ACT/LINK LED und SPEED LED) - Audioanschlüsse: Line In / Line Out / Mikrofon
Anschlüsse	- 4 x SATAII-Anschlüsse, unterstützt bis 3.0 Gb/s Datenübertragungsrate, unterstützt RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 und JBOD), NCQ, AHCI und “Hot Plug” Funktionen (siehe **VORSICHT 8**) - 1 x ATA133 IDE-Anschlüsse (Unterstützt bis 2 IDE-Geräte) - 1 x FDD-Anschlüsse - 1 x Infrarot-Modul-Header - 1 x COM-Anschluss-Header - CPU/Gehäuse-Lüfteranschluss - 24-pin ATX-Netz-Header - 4-pin anschluss für 12V-ATX-Netzteil - Interne Audio-Anschlüsse - Anschluss für Audio auf der Gehäusevorderseite - 3 x USB 2.0-Anschlüsse (Unterstützung 6 zusätzlicher USB 2.0-Anschlüsse) (siehe **VORSICHT 9**)
BIOS	- 4Mb AMI BIOS - AMI legal BIOS mit Unterstützung für “Plug and Play” - ACPI 1.1-Weckfunktionen - JumperFree-Modus - SMBIOS 2.3.1 - Unterstützt Smart BIOS
Support-CD	- Treiber, Dienstprogramme, Antivirussoftware (Probeversion)
Einzigartige Eigenschaft	- ASRock OC Tuner (siehe **VORSICHT 10**) - Intelligent Energy Saver (Intelligente Energiesparfunktion) (siehe **VORSICHT 11**) - Sofortstart - Hybrid Booster: - Schrittloser CPU-Frequenz-Kontrolle (siehe **VORSICHT 12**) - ASRock U-COP (siehe **VORSICHT 13**) - Boot Failure Guard (B.F.G. – Systemstartfehlerschutz) - ASRock AM2 Boost: ASRocks patentgeschützte Technologie zur Erhöhung der Arbeitsspeicherleistung um bis zu 12,5% (siehe **VORSICHT 14**)

Hardware Monitor	- CPU-Temperatursensor - Motherboardtemperaturerkennung - Drehzahlmessung für CPU-Lüfter - Drehzahlmessung für Gehäuselüfter - CPU-Lüftergeräuschdämpfung - Spannungsüberwachung: +12V, +5V, +3.3V, Vcore
Betriebssysteme	- Unterstützt Microsoft® Windows® XP / XP Media Center / XP 64-Bit / Vista™ / Vista™ 64-Bit
Zertifizierungen	- FCC, CE, WHQL

* Für die ausführliche Produktinformation, besuchen Sie bitte unsere Website: http://www.asrock.com

WARNUNG

Beachten Sie bitte, dass Overclocking, einschließlich der Einstellung im BIOS, Anwenden der Untied Overclocking-Technologie oder Verwenden von Overclocking-Werkzeugen von Dritten, mit einem gewissen Risiko behaftet ist. Overclocking kann sich nachteilig auf die Stabilität Ihres Systems auswirken oder sogar Komponenten und Geräte Ihres Systems beschädigen. Es geschieht dann auf eigene Gefahr und auf Ihre Kosten. Wir übernehmen keine Verantwortung für mögliche Schäden, die aufgrund von Overclocking verursacht wurden.

VORSICHT!

1. Dieses Motherboard unterstützt die Untied-Übertaktungstechnologie. Unter “Entkoppelte Übertaktungstechnologie” auf Seite 25 finden Sie detaillierte Informationen.
2. Dieses Motherboard unterstützt Dual-Kanal-Speichertechnologie. Vor Implementierung der Dual-Kanal-Speichertechnologie müssen Sie die Installationsanleitung für die Speichermodule auf Seite 12 zwecks richtigerInstallation gelesen haben.
3. Ob die Speichergeschwindigkeit 1066 MHz unterstützt wird, hängt von der von Ihnen eingesetzten AM2+-CPU ab. Schauen Sie bitte auf unseren Internetseiten in der Liste mit unterstützten Speichermodulen nach, wenn Sie DDR2 1066-Speichermodule einsetzen möchten. ASRock-Internetseite: http://www.asrock.com
4. Durch Betriebssystem-Einschränkungen kann die tatsächliche Speichergröße weniger als 4 GB betragen, da unter Windows® XP und Windows® Vista™ etwas Speicher zur Nutzung durch das System reserviert wird. Unter Windows® XP 64-bit und Windows® Vista™ 64-bit mit 64-Bit-CPU besteht diese Einschränkung nicht.
5. Die Maximalspeichergröße ist von den Chipshändler definiert und umgetauscht. Bitte überprüfen Sie NVIDIA® website für die neuliche Information.
6. 1080p Blu-ray (BD)/HD-DVD Playback Unterstützung auf dieser Hauptplatine fordert die passende Hardwarekonfiguration. Bitte verweisen Sie auf Seite 9 und 10 für minimal Hardware Anforderung und

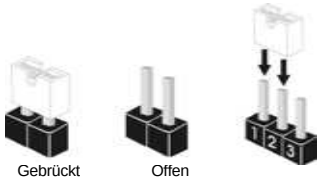
die überschritten 1080p Blu-ray (BD)/HD-DVD Filme in unserem Laborversuch.

7. Dieser DVI-D Port für den Chipsatz, der auf dieser Hauptplatine angenommen wird, kann DVI/HDCP und HDMI Format Signal unterstützen. Sie können das DVI zu HDMI Adapter verwenden, um diesen DVI-D Port zu HDMI Schnittstelle zu konvertieren. DVI zu HDMI Adapter wird nicht mit unserem Produkt zusammengerollt, bitte verweisen Sie auf den Adapterverkäufer für weitere Informationen.
8. Vor Installation der SATAII-Festplatte an den SATAII-Anschluss lesen Sie bitte “Setup-Anleitung für SATAII-Festplatte” auf Seite 28 der “Bedienungsanleitung” auf der Support-CD, um Ihre SATAII-Festplatte dem SATAII-Modus anzugleichen. Sie können die SATA-Festplatte auch direkt mit dem SATAII-Anschluss verbinden.
9. Das Power Management für USB 2.0 arbeitet unter Microsoft® Windows® Vista™ 64-Bit / Vista™ / XP 64-Bit / XP SP1 oder SP2 einwandfrei.
10. Es ist ein benutzerfreundlicher ASRock Übertaktenswerkzeug, das erlaubt, dass Sie Ihr System durch den Hardware-Monitor Funktion zu überblicken und Ihre Hardware-Geräte übertakten, um die beste Systemleistung unter der Windows® Umgebung zu erreichen. Besuchen Sie bitte unsere Website für die Operationsverfahren von ASRock OC Tuner. ASRock-Website: http://www.asrock.com
11. Mit einer eigenen, modernen Hardware und speziellem Softwaredesign, bietet der Intelligent Energy Saver eine revolutionäre Technologie zur bisher unerreichten Energieeinsparung. Ein Spannungsregler kann die Anzahl von Ausgangsphasen zur Effektivitätsverbessserung reduzieren, wenn sich die CPU im Leerlauf befindet. Mit anderen Worten: Sie genießen außergewöhnliche Energieeinsparung und verbesserten Wirkungsgrad ohne Leistungseinschränkungen. Wenn Sie die Intelligent Energy Saver-Funktion nutzen möchten, aktivieren Sie zuvor die „Cool ‘n’ Quiet“-Option im BIOS. Weitere Bedienungshinweise zum Intelligent Energy Saver finden Sie auf unseren Internetseiten. ASRock-Internetseite: http://www.asrock.com
12. Obwohl dieses Motherboard stufenlose Steuerung bietet, wird Overclocking nicht empfohlen. Frequenzen, die von den empfohlenen CPU-Busfrequenzen abweichen, können Instabilität des Systems verursachen oder die CPU beschädigen.
13. Wird eine Überhitzung der CPU registriert, führt das System einen automatischen Shutdown durch. Bevor Sie das System neu starten, prüfen Sie bitte, ob der CPU-Lüfter am Motherboard richtig funktioniert, und stecken Sie bitte den Stromkabelstecker aus und dann wieder ein. Um die Wärmeableitung zu verbessern, bitte nicht vergessen, etwas Wärmeleitpaste zwischen CPU und Kühlkörper zu sprühen.
14. Dieses Motherboard unterstützt die ASRock AM2 Boost Übertaktungstechnologie. Wenn Sie diese Funktion im BIOS-Setup aktivieren, wird die Arbeitsspeicherleistung um bis zu 12,5% gesteigert.

Die Wirkung hängt aber von der verwendeten AM2 CPU ab. Diese Funktion übertaktet die Standardfrequenz des Chipsatz und der CPU. Dennoch gewähren wir die Systemstabilität nicht bei allen CPU/DRAM-Konfigurationen. Wird Ihr System nach dem Aktivieren der AM2 Boost-Funktion unstabil, dann ist diese Funktion wahrscheinlich nicht für Ihr System geeignet. Sie können diese Funktion deaktivieren, um die Stabilität Ihres System zu bewahren.

1.3 Einstellung der Jumper

Die Abbildung verdeutlicht, wie Jumper gesetzt werden. Werden Pins durch Jumperkappen verdeckt, ist der Jumper “gebrückt”. Werden keine Pins durch Jumperkappen verdeckt, ist der Jumper “offen”. Die Abbildung zeigt einen 3-Pin Jumper dessen Pin1 und Pin2 “gebrückt” sind, bzw. es befindet sich eine Jumper-Kappe auf diesen beiden Pins.



Gebrückt Offen

Jumper	Einstellun	
PS2_USB_PW1 (siehe S.2, Punkt 1)		Überbrücken Sie Pin2, Pin3, um +5VSB (Standby) zu setzen und die PS/2 oder USB-Weckfunktionen zu aktivieren.

Hinweis: Um +5VSB nutzen zu können, muss das Netzteil auf dieser Leitung 2A oder mehr leisten können.

CMOS löschen
(CLRCMOS1, 3-Pin jumper)
(siehe S.2 - Nr. 15)

Default-Einstellung CMOS löschen

Hinweis: CLRCMOS1 erlaubt Ihnen das Löschen der CMOS-Daten. Diese beinhalten das System-Passwort, Datum, Zeit und die verschiedenen BIOS-Parameter. Um die Systemparameter zu löschen und auf die Werkseinstellung zurückzusetzen, schalten Sie bitte den Computer ab und entfernen das Stromkabel. Benutzen Sie eine Jumperkappe, um die Pin 2 und Pin 3 an CLRCMOS1 für 5 Sekunden kurzzuschließen. Bitte vergessen Sie nicht, den Jumper wieder zu entfernen, nachdem das CMOS gelöscht wurde. Bitte vergessen Sie nicht, den Jumper wieder zu entfernen, nachdem das CMOS gelöscht wurde. Wenn Sie den CMOS-Inhalt gleich nach dem Aktualisieren des BIOS löschen müssen, müssen Sie zuerst das System starten und dann wieder ausschalten, bevor Sie den CMOS-Inhalt löschen.

1.4 Anschlüsse

Anschlussleisten sind KEINE Jumper. Setzen Sie KEINE Jumperkappen auf die Pins der Anschlussleisten. Wenn Sie die Jumperkappen auf die Anschlüsse setzen, wird das Motherboard permanent beschädigt!

Anschluss **Beschreibung**

Anschluss für das Floppy-Laufwerk
(33-Pin FLOPPY1)
(siehe S.2, Punkt 22)

die rotgestreifte Seite auf Stift 1

Hinweis: Achten Sie darauf, dass die rotgestreifte Seite des Kabel mit der Stift 1-Seite des Anschlusses verbunden wird.

Primärer IDE-Anschluss (blau)
(39-pin IDE1, siehe S.2 - No. 9)

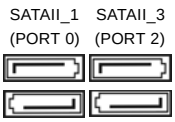
Blauer Anschluss zum Motherboard

Schwarzer Anschluss zur Festplatte

80-adriges ATA 66/100/133 Kabel

Hinweis: Details entnehmen Sie bitte den Anweisungen Ihres IDE-Gerätehändlers.

Seriell-ATAII-Anschlüsse
(SATAII_1 (PORT 0): siehe S.2, Punkt 10)
(SATAII_2 (PORT 1): siehe S.2, Punkt 13)
(SATAII_3 (PORT 2): siehe S.2, Punkt 11)
(SATAII_4 (PORT 3): siehe S.2, Punkt 12)



Diese vier Serial ATA (SATA II) -Anschlüsse unterstützen interne SATA- oder SATA II-Festplatten. Die aktuelle SATAII-Schnittstelle ermöglicht eine Datenübertragungsrate bis 3,0 Gb/s.

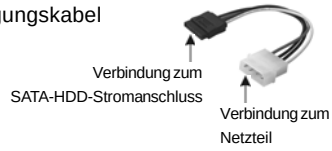
Serial ATA- (SATA-) Datenkabel
(Option)

Sie können beide Enden des SATA-Datenkabels entweder mit der SATA / SATAII-Festplatte oder dem SATAII-Anschluss am Mainboard verbinden.

Deutsch

Serial ATA- (SATA-) Stromversorgungskabel

(Option)

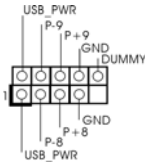


Verbinden Sie das schwarze Ende des SATA-Netzkabels mit dem Netzanschluss am Laufwerk. Verbinden Sie dann das weiße Ende des SATA-Stromversorgungskabels mit dem Stromanschluss des Netzteils.

USB 2.0-Header

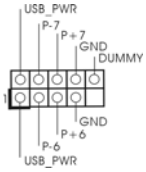
(9-pol. USB8_9)

(siehe S.2 - No. 16)



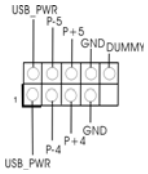
(9-pol. USB6_7)

(siehe S.2 - No. 17)



(9-pol. USB4_5)

(siehe S.2 - No. 18)

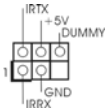


Zusätzlich zu den vier üblichen USB 2.0-Ports an den I/O-Anschlüssen befinden sich drei USB 2.0-Anschlussleisten am Motherboard. Pro USB 2.0-Anschlussleiste werden zwei USB 2.0-Ports unterstützt.

Infrarot-Modul-Header

(5-pin IR1)

(siehe S.2 - No. 23)

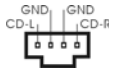


Dieser Header unterstützt ein optionales, drahtloses Sende- und Empfangs-Infrarotmodul.

Interne Audio-Anschlüsse

(4-Pin CD1)

(CD1: siehe S.2, Punkt 25)



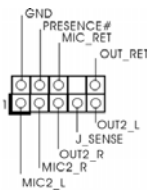
CD1

Diese ermöglichen Ihnen Stereo-Signalquellen, wie z. B. CD-ROM, DVD-ROM, TV-Tuner oder MPEG-Karten mit Ihrem System zu verbinden.

Anschluss für Audio auf der Gehäusevorderseite

(9-Pin HD_AUDIO1)

(siehe S.2, Punkt 26)



Dieses Interface zu einem Audio-Panel auf der Vorderseite Ihres Gehäuses, ermöglicht Ihnen eine bequeme Kontrolle über Audio-Geräte.

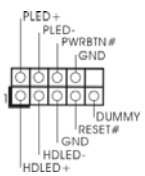
Deutsch

1. High Definition Audio unterstützt Jack Sensing (automatische Erkennung falsch angeschlossener Geräte), wobei jedoch die Bildschirmverdrahtung am Gehäuse HDA unterstützen muss, um richtig zu funktionieren. Beachten Sie bei der Installation im System die Anweisungen in unserem Handbuch und im Gehäusehandbuch.
2. Wenn Sie die AC'97-Audioleiste verwenden, installieren Sie diese wie nachstehend beschrieben an der Front-Audioanschlussleiste:
   A. Schließen Sie Mic_IN (MIC) an MIC2_L an.
   B. Schließen Sie Audio_R (RIN) an OUT2_R und Audio_L (LIN) an OUT2_L an.
   C. Schließen Sie Ground (GND) an Ground (GND) an.
   D. MIC_RET und OUT_RET sind nur für den HD-Audioanschluss gedacht. Diese Anschlüsse müssen nicht an die AC'97-Audioleiste angeschlossen werden.
   E. Rufen Sie das BIOS-Setup-Dienstprogramm auf. Wechseln Sie zu Erweiterte Einstellungen und wählen Sie Chipset-Konfiguration. Setzen Sie die Option Frontleistenkontrolle von [Automatisch] auf [Aktiviert].
   F. Rufen Sie das Windows-System auf. Klicken Sie auf das Symbol in der Taskleiste unten rechts, um den Realtek HD Audio-Manager aufzurufen.
   Für Windows® XP / XP 64-Bit Betriebssystem:
   Klicken Sie auf "Audio-E/A", wählen Sie die "Anschlusseinstellungen"  , wählen Sie "Erkennung der Frontleistenbuchse deaktivieren" und speichern Sie die Änderung durch Klicken auf "OK".
   Für Windows® Vista™ / Vista™ 64-Bit Betriebssystem:
   Die Rechtoberseite „Dateiordner" Ikone anklicken  , „Schalttafel Buchse Entdeckung sperren" wählen und die Änderung speichern, indem Sie „OKAY" klicken.
   G. Aktivierung des vorderseitigen Mikrofons.
   Für Betriebssystem Windows® XP / XP 64-Bit:
   Wählen Sie "Front Mic" (Vorderes Mikr.) als Standard-Aufnahmegerät. Möchten Sie Ihre Stimme über das vorderseitige Mikrofon hören, dann wählen Sie bitte das Symbol "Mute" (Stumm) unter "Front Mic" (Vorderes Mikr.) im Abschnitt "Playback" (Wiedergabe) ab.
   Für Betriebssystem Windows® Vista™ / Vista™ 64-Bit:
   Rufen Sie die Registerkarte "Front Mic" (Vorderes Mikr.) im Realtek-Bedienfeld auf. Klicken Sie auf "Set Default Device" (Standardgerät einstellen), um das vorderseitige Mikrofon als Standard-Aufnahmegerät zu übernehmen.

System Panel Anschluss

(9-Pin PANEL1)

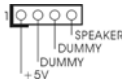
(siehe S.2, Punkt 20)



Dieser Anschluss ist für die verschiedenen Funktionen der Gehäusefront.

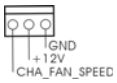
Deutsch

Gehäuselautsprecher-Header
(4-pin SPEAKER1)
(siehe S.2, Punkt 19)



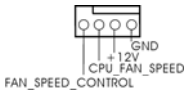
Schließen Sie den Gehäuselautsprecher an diesen Header an.

Gehäuse-Lüfteranschluss
(3-pin CHA_FAN1)
(siehe S.2, Punkt 21)



Verbinden Sie das Gehäuselüfterkabel mit diesem Anschluss und passen Sie den schwarzen Draht dem Erdungsstift an.

CPU-Lüfteranschluss
(4-pin CPU_FAN1)
(siehe S.2, Punkt 5)



Verbinden Sie das CPU - Lüfterkabel mit diesem Anschluss und passen Sie den schwarzen Draht dem Erdungsstift an.

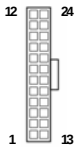
Obwohl dieses Motherboard einen vierpoligen CPU-Lüfteranschluss (Quiet Fan) bietet, können auch CPU-Lüfter mit dreipoligem Anschluss angeschlossen werden; auch ohne Geschwindigkeitsregulierung. Wenn Sie einen dreipoligen CPU-Lüfter an den CPU-Lüferanschluss dieses Motherboards anschließen möchten, verbinden Sie ihn bitte mit den Pins 1 – 3.

4 3 2 1

Pins 1–3 anschließen

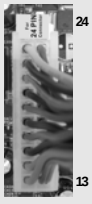
Lüfter mit dreipoligem Anschluss installieren

ATX-Netz-Header
(24-pin ATXPWR1)
(siehe S.2, Punkt 8)



Verbinden Sie die ATX-Stromversorgung mit diesem Header.

Obwohl dieses Motherboard einen 24-pol. ATX-Stromanschluss bietet, kann es auch mit einem modifizierten traditionellen 20-pol. ATX-Netzteil verwendet werden. Um ein 20-pol. ATX-Netzteil zu verwenden, stecken Sie den Stecker mit Pin 1 und Pin 13 ein.



Installation eines 20-pol. ATX-Netzteils

Anschluss für 12V-ATX-Netzteil
(4-pin ATX12V1)
(siehe S.2, Punkt 2)

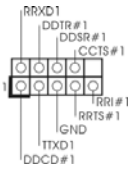
Beachten Sie bitte, dass Sie eine Stromversorgung mit ATX 12-Volt-Stecker mit diesem Anschluss verbinden müssen, damit ausreichend Strom geliefert werden kann. Andernfalls reicht der Strom nicht aus, das System zu starten.

Deutsch

COM-Anschluss-Header

(9-pin COM1)

(siehe S.2 - No. 24)



Dieser COM-Anschluss-Header wird verwendet, um ein COM-Anschlussmodul zu unterstützen.

2. BIOS-Information

Das Flash Memory dieses Motherboards speichert das Setup-Utility. Drücken Sie <F2> während des POST (Power-On-Self-Test) um ins Setup zu gelangen, ansonsten werden die Testroutinen weiter abgearbeitet. Wenn Sie ins Setup gelangen wollen, nachdem der POST durchgeführt wurde, müssen Sie das System über die Tastenkombination <Ctrl> + <Alt> + <Delete> oder den Reset-Knopf auf der Gehäusevorderseite, neu starten. Natürlich können Sie einen Neustart auch durchführen, indem Sie das System kurz ab- und danach wieder anschalten. Das Setup-Programm ist für eine bequeme Bedienung entwickelt worden. Es ist ein menügesteuertes Programm, in dem Sie durch unterschiedliche Untermenüs scrollen und die vorab festgelegten Optionen auswählen können. Für detaillierte Informationen zum BIOS-Setup, siehe bitte das Benutzerhandbuch (PDF Datei) auf der Support CD.

3. Software Support CD information

Dieses Motherboard unterstützt eine Reiche von Microsoft® Windows® Betriebssystemen: XP / XP Media Center / XP 64-Bit / Vista™ / Vista™ 64-Bit. Die Ihrem Motherboard beigefügte Support-CD enthält hilfreiche Software, Treiber und Hilfsprogramme, mit denen Sie die Funktionen Ihres Motherboards verbessern können Legen Sie die Support-CD zunächst in Ihr CD-ROM-Laufwerk ein. Der Willkommensbildschirm mit den Installationsmenüs der CD wird automatisch aufgerufen, wenn Sie die “Autorun”-Funktion Ihres Systems aktiviert haben. Erscheint der Wilkommensbildschirm nicht, so “doppelklicken” Sie bitte auf das File ASSETUP.EXE im BIN-Verzeichnis der Support-CD, um die Menüs aufzurufen. Das Setup-Programm soll es Ihnen so leicht wie möglich machen. Es ist menügesteuert, d.h. Sie können in den verschiedenen Untermenüs Ihre Auswahl treffen und die Programme werden dann automatisch installiert.

Deutsch

1. Introduction

Merci pour votre achat d'une carte mère ASRock ***ALiveNF7G-GLAN***, une carte mère très fiable produite selon les critères de qualité rigoureux de ASRock. Elle offre des performances excellentes et une conception robuste conformément à l'engagement d'ASRock sur la qualité et la fiabilité au long terme.
Ce Guide d'installation rapide présente la carte mère et constitue un guide d'installation pas à pas. Des informations plus détaillées concernant la carte mère pourront être trouvées dans le manuel l'utilisateur qui se trouve sur le CD d'assistance.

Les spécifications de la carte mère et le BIOS ayant pu être mis à jour, le contenu de ce manuel est sujet à des changements sans notification. Au cas où n'importe qu'elle modification intervenait sur ce manuel, la version mise à jour serait disponible sur le site web ASRock sans nouvel avis. Vous trouverez les listes de prise en charge des cartes VGA et CPU également sur le site Web ASRock.
Site web ASRock, http://www.asrock.com
Si vous avez besoin de support technique en relation avec cette carte mère, veuillez consulter notre site Web pour de plus amples informations particulières au modèle que vous utilisez.
www.asrock.com/support/index.asp

1.1 Contenu du paquet

Carte mère ASRock ***ALiveNF7G-GLAN***
(Facteur de forme Micro ATX: 9.6 pouces x 8.2 pouces, 24.4 cm x 20.8 cm)
Guide d'installation rapide ASRock ***ALiveNF7G-GLAN***
CD de soutien ASRock ***ALiveNF7G-GLAN***
Un câble ruban IDE Ultra ATA 66/100/133 80 conducteurs
Un câble de données Serial ATA (SATA) (Optionnelle)
Un cordon d'alimentation DD série ATA (SATA) (Optionnelle)
Un écran I/O

1.2 Spécifications

Format	- Facteur de forme Micro ATX: 9.6 pouces x 8.2 pouces, 24.4 cm x 20.8 cm
CPU	- Prise en charge des processeurs Socket AM2+ / AM2: AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dual-Core / Athlon X2 Dual-Core / Athlon 64 / processeur Sempron - Prise en charge des processeurs sur AM3: Processeur Phenom™ II X4 / X3 et Athlon II X4 / X3 / X2 d'AMD - Prêt AMD LIVE!™ - Supporte la technologie Cool 'n' Quiet™ d'AMD - FSB 1000 MHz (2.0 GT/s) - Prend en charge la technologie Untied Overclocking (voir **ATTENTION 1**) - Prise en charge de la technologie Hyper Transport
Chipsets	- NVIDIA® GeForce 7050 / nForce 630A MCP
Mémoire	- Compatible avec la Technologie de Mémoire à Canal Double (voir **ATTENTION 2**) - 4 x slots DIMM DDR2 - Supporter DDR2 1066/800/667/533 non-ECC, sans amortissement mémoire (voir **ATTENTION 3**) - Capacité maxi de mémoire système: 16GB (voir **ATTENTION 4**)
Slot d'extension	- 1 x slot PCI Express x16 - 1 x slot PCI Express x1 - 2 x slots PCI
VGA sur carte	- NVIDIA® Integre Series de GeForece7 (NV44) - VGA DX9.0, nuanceur de pixels 3.0 - mémoire partagée max 256 MB (voir **ATTENTION 5**) - Output de VGA Duel: supporter DVI-D et D-Sub ports par les controleurs de display independents - Supporter la fonction de HDCP avec le port de DVI-D - Supporter 1080p Blu-ray(BD) / lecteur de HD-DVD (voir **ATTENTION 6**) - NVIDIA® PureVideo™ Prepration
Audio	- 5.1 Son haute définition de première qualité CH Windows® Vista™ (codec audio ALC662) - HDMI Audio avec Chipset enclave
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Realtek RTL8211CL - Support du Wake-On-LAN
Panneau arrière E/S	ASRock 6CH_DVI I/O - 1 x port souris PS/2

	- 1 x port clavier PS/2 - 1 x port VGA/D-Sub - 1 x port VGA/DVI-D (voir **ATTENTION 7**) - 1 x port parallèle: Support ECP/EPP - 4 x ports USB 2.0 par défaut - 1 x port LAN RJ-45 avec LED (ACT/LED CLIGNOTANTE et LED VITESSE) - Jack audio: entrée ligne / sortie ligne / microphone
Connecteurs	- 4 x connecteurs SATAII, prennent en charge un taux de transfert de données pouvant aller jusqu'à 3.0Go/s, supporte RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 et JBOD), NCQ, AHCI et "Hot-Plug" (Connexion à chaud) (voir **ATTENTION 8**) - 1 x ATA133 IDE connecteurs (prend en charge jusqu'à 2 périphériques IDE) - 1 x Port Disquette - 1 x En-tête du module infrarouge - 1 x En-tête de port COM - Connecteur pour ventilateur de CPU/Châssis - br. 24 connecteur d'alimentation ATX - br. 4 connecteur d'alimentation 12V ATX - Connecteurs audio internes - Connecteur audio panneau avant - 3 x En-tête USB 2.0 (prendre en charge 6 ports USB 2.0 supplémentaires) (voir **ATTENTION 9**)
BIOS	- 4Mb BIOS AMI - BIOS AMI - Support du "Plug and Play" - Compatible pour événements de réveil ACPI 1.1 - Gestion jumperless - Support SMBIOS 2.3.1 - Prise en charge du Smart BIOS
CD d'assistance	- Pilotes, utilitaires, logiciel anti-virus (Version d'essai)
Caractéristique unique	- Tuner ASRock OC (voir **ATTENTION 10**) - Économiseur d'énergie intelligent (voir **ATTENTION 11**) - l'Instant Boot - L'accélérateur hybride: - Contrôle direct de la fréquence CPU (voir **ATTENTION 12**) - ASRock U-COP (voir **ATTENTION 13**) - Garde d'échec au démarrage (B.F.G.) - ASRock AM2 Boost: Technologie brevetée par ASRock

	pour augmenter les performances mémoire jusqu'à 12,5% (voir **ATTENTION 14**)
Surveillance système	- Détection de la température de l'UC - Mesure de température de la carte mère - Tachéomètre ventilateur CPU - Tachéomètre ventilateur châssis - Ventilateur silencieux d'unité centrale - Monitoring de la tension: +12V, +5V, +3.3V, Vcore
OS	- Microsoft® Windows® XP / XP Media Center / XP 64-bit / Vista™ / Vista™ 64-bit
Certifications	- FCC, CE, WHQL

* Pour de plus amples informations sur les produits, s'il vous plaît visitez notre site web: http://www.asrock.com

ATTENTION

Il est important que vous réalisiez qu'il y a un certain risque à effectuer l'overclocking, y compris ajuster les réglages du BIOS, appliquer la technologie Untied Overclocking, ou utiliser des outils de tiers pour l'overclocking. L'overclocking peut affecter la stabilité de votre système, ou même causer des dommages aux composants et dispositifs de votre système. Si vous le faites, c'est à vos frais et vos propres risques. Nous ne sommes pas responsables des dommages possibles causés par l'overclocking.

ATTENTION!

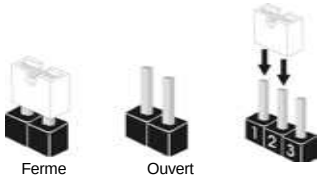
1. Cette carte mère prend en charge la technologie Untied Overclocking. Veuillez lire "La technologie de surcadençage à la volée" à la page 25 pour plus d'informations.
2. Cette carte mère supporte la Technologie de Mémoire à Canal Double. Avant d'intégrer la Technologie de Mémoire à Canal Double, assurez-vous de bien lire le guide d'installation des modules mémoire en page 12 pour réaliser une installation correcte.
3. La prise en charge de fréquences de mémoire de 1066MHz dépend du CPU AM2+ que vous choisissez. Si vous choisissez des barrettes de mémoire DDR2 1066 sur cette carte mère, veuillez vous référer à la liste des mémoires prises en charge sur notre site Web pour connaître barrettes de mémoire compatibles.
   Site Web ASRock http://www.asrock.com
4. Du fait des limites du système d'exploitation, la taille mémoire réelle réservée au système pourra être inférieure à 4 Go sous Windows® XP et Windows® Vista™. Avec Windows® XP 64 bits et Windows® Vista™ 64 bits avec CPU 64 bits, il n'y a pas ce genre de limitation.
5. La dimension maximum du memoire partage est definie par le vendeur de jeu de puces et est sujet de changer. Veuillez verifier la NVIDIA® website pour les informations recentes SVP.
6. Le support du lecteur HD-DVD/1080p Blu-ray(BD) sur la carte mere demande la configuration propre du materiel. Veilliez consulter la page 9 et 10 pour la demande du materiel minimum et les films passes HD-DVD/1080p Blu-ray (BD) dans notre lab de test.

7. Ce port DVI-D avec le chipset adopte sur cette carte mere peut supporter le signal de formatage de DVI/HDCP et HDMI. Vous pouvez utiliser l'adaptateur DVI a HDMI pour converer le port de DVI-D sur l'interface de HDMI. L'adaptateur DVI a HDMI n'est pas attaché avec notre produit, veilliez consulter le vendeur d'adaptateur pour information future.
8. Avant d'installer le disque dur SATAII au connecteur SATAII, veuillez lire le Guide « Installation du disque dur SATAII » à la page 28 du « Manuel de l'utilisateur » qui se trouve sur le CD de support pour régler votre lecteur de disque dur SATAII au mode SATAII. Vous pouvez aussi directement connecter le disque dur SATA au connecteur SATAII.
9. La gestion de l'alimentation pour l'USB 2.0 fonctionne bien sous Microsoft® Windows® Vista™ 64-bit/ Vista™ / XP 64-bit / XP SP1; SP2.
10. Il s'agit d'un usage facile ASRock overclocking outil qui vous permet de surveiller votre système en fonction de la monitrice de matériel et overclocker vos périphériques de matériels pour obtenir les meilleures performances du système sous environnement Windows®. S'il vous plaît visitez notre site web pour le fonctionnement des procédures de Tuner ASRock OC.
ASRock website: http://www.asrock.com
11. Avec une conception matérielle et logicielle propriétaire avancée, Intelligent Energy Saver (L'économiseur d'énergie intelligent) est une technologie révolutionnaire qui apporte des économies d'énergie sans précédent. Le régulateur de tension permet de réduire le nombre de phases de sortie pour améliorer le rendement lorsque les noyaux du CPU sont en veille. En d'autre termes, il peut amener des économies d'énergie exceptionnelles et améliorer le rendement énergétique sans sacrifier aux performances de calcul. Pour utiliser la fonction Intelligent Energy Saver (L'économiseur d'énergie intelligent), veuillez activer l'option Cool 'n' Quiet dans l'outil de configuration du BIOS par avance. Veuillez visiter notre site Web pour connaître les procédures d'utilisation de l' Intelligent Energy Saver (L'économiseur d'énergie intelligent).
Site Web d'ASRock: http://www.asrock.com
12. Même si cette carte mère offre un contrôle sans souci, il n'est pas recommandé d'y appliquer un over clocking. Les fréquences autres que les fréquences de bus d'UC recommandées risquent de déstabiliser le système ou d'endommager l'UC.
13. Lorsqu'une surchauffe du CPU est détectée, le système s'arrête automatiquement. Avant de redémarrer le système, veuillez vérifier que le ventilateur d'UC sur la carte mère fonctionne correctement et débranchez le cordon d'alimentation, puis rebranchez-le. Pour améliorer la dissipation de la chaleur, n'oubliez pas de mettre de la pâte thermique entre le CPU le dissipateur lors de l'installation du PC.
14. Cette carte mère prend en charge la technologie d'overbooking ASRock AM2 Boost. Si vous activez cette fonction dans la

configuration du BIOS, les performances de la mémoire d'améliorent jusqu'à 12,5%, lais l'effet dépend du CPU AM2 que vous adoptez. L'activation de cette fonction accélère l'horloge de référence du chipset/CPU. Cependant, nous ne pouvons par garantir la stabilité du système pour toutes les configurations CPU/DRAM. Si votre systèmes devient instable une fois la fonction AM2 Boost activée, il est possible qu'elle ne s'applique pas à votre système. Vous pouvez choisir de désactiver cette fonction pour conserver la stabilité de votre système.

1.3 Réglage des cavaliers

L'illustration explique le réglage des cavaliers. Quand un capuchon est placé sur les broches, le cavalier est « FERME ». Si aucun capuchon ne relie les broches,le cavalier est « OUVERT ». L'illustration montre un cavalier à 3 broches dont les broches 1 et 2 sont « FERMEES » quand le capuchon est placé sur ces 2 broches.



Ferme Ouvert

Le cavalier	Description
PS2_USB_PW1 (voir p.2 fig. 1) 	Court-circuitez les broches 2 et 3 pour choisir +5VSB (standby) et permettre aux périphériques PS/2 ou USB de réveiller le système.

Note: Pour sélectionner +5VSB, il faut obligatoirement 2 Amp et un courant standby supérieur fourni par l'alimentation.

Effacer la CMOS (CLRCMOS1) (voir p.2 fig. 15)

Paramètres par défaut — Effacer la CMOS

Note: CLRCMOS1 vous permet d'effacer les données qui se trouvent dans la CMOS. Les données dans la CMOS comprennent les informations de configuration du système telles que le mot de passe système, la date, l'heure et les paramètres de configuration du système. Pour effacer et réinitialiser les paramètres du système pour retrouver la configuration par défaut, veuillez mettre l'ordinateur hors tension et débrancher le cordon d'alimentation de l'alimentation électrique. Attendez 15 secondes, puis utilisez un capuchon de cavalier pour court-circuiter la broche 2 et la broche 3 sur CLRCMOS1 pendant 5 secondes. Après avoir court-circuité le cavalier Effacer la CMOS, veuillez enlever le capuchon de cavalier. Toutefois, veuillez ne pas effacer la CMOS tout de suite après avoir mis le

BIOS à jour. Si vous avez besoin d'effacer la CMOS lorsque vous avez fini de mettre le BIOS à jour, vous devez d'abord initialiser le système, puis le mettre hors tension avant de procéder à l'opération d'effacement de la CMOS.

1.4 Connecteurs

Les connecteurs NE SONT PAS des cavaliers. NE PLACEZ AUCUN capuchon sur ces connecteurs. Poser les bouchons pour cavaliers audessus des connecteurs provoquera des dommages irrémédiables à la carte mère!

Les connecteurs **Description**

Connecteur du lecteur de disquette
(FLOPPY1 br. 33)
(voir p.2 fig. 22)

Note: Assurez-vous que le côté avec fil rouge du câble est bien branché sur le côté Broche1 du connecteur.

Connecteur IDE primaire (bleu)
(IDE1 br. 39, voir p.2 No. 9)

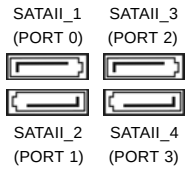
connecteur bleu vers la carte mère

connecteur noir vers le disque dur

Câble ATA 66/100/133 80 conducteurs

Note: Veuillez vous reporter aux instructions du fabricant de votre IDE périphérique pour les détails.

Connecteurs Série ATAII
(SATAII_1 (PORT 0): voir p.2 fig. 10)
(SATAII_2 (PORT 1): voir p.2 fig. 13)
(SATAII_3 (PORT 2): voir p.2 fig. 11)
(SATAII_4 (PORT 3): voir p.2 fig. 12)

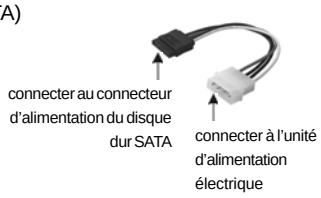
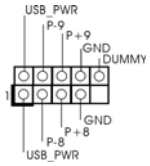
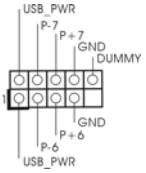
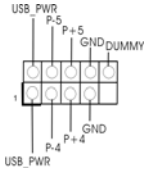
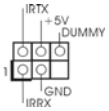
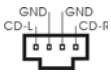
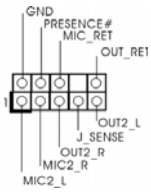


Ces quatre connecteurs Serial ATA (SATAII) prennent en charge les disques durs SATA ou SATAII pour les dispositifs de stockage interne. L'interface SATAII actuelle permet des taux transferts de données pouvant aller jusqu'à 3,0 Go/s.

Câble de données Série ATA (SATA)
(en option)

L'une des deux extrémités du câble de données SATA peut être connectée au disque dur SATA / SATAIIou au connecteur SATAII sur la carte mère.

Français

Cordon d'alimentation Série ATA (SATA) (en option)		Veuillez connecter l'extrémité noire du cordon d'alimentation SATA sur le connecteur d'alimentation de l'unité. Connectez ensuite l'extrémité blanche du cordon d'alimentation SATA sur le connecteur d'alimentation de l'unité d'alimentation électrique.
En-tête USB 2.0 (USB8_9 br.9) (voir p.2 No. 16)		A côté des quatre ports USB 2.0 par défaut sur le panneau E/S, il y a trois embases USB 2.0 sur cette carte mère. Chaque embase USB 2.0 peut prendre en charge 2 ports USB 2.0.
(USB6_7 br.9) (voir p.2 No. 17)		
(USB4_5 br.9) (voir p.2 No. 18)		
En-tête du module infrarouge (IR1 br.5) (voir p.2 No. 23)		Cet en-tête supporte un module infrarouge optionnel de transfert et de réception sans fil.
Connecteurs audio internes (CD1 br. 4) (CD1: voir p.2 fig. 25)	 CD1	Ils vous permettent de gérer des entrées audio à partir de sources stéréo comme un CD-ROM, DVD-ROM, un tuner TV ou une carte MPEG.
Connecteur audio panneau avant (HD_AUDIO1 br. 9) (voir p.2 fig. 26)		C'est une interface pour un câble audio en façade qui permet le branchement et le contrôle commodes de périphériques audio.

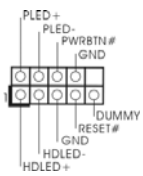
nnecteurs Serial
ennent en charge
s SATA ou SATAII
itifs de stockage
ace SATAII
des taux
onnées pouvant
Go/s.

Français

1. L'audio à haute définition (HDA) prend en charge la détection de fiche, mais le fil de panneau sur le châssis doit prendre en charge le HDA pour fonctionner correctement. Veuillez suivre les instructions dans notre manuel et le manuel de châssis afin installer votre système.
2. Si vous utilisez le panneau audio AC'97, installez-le sur l'adaptateur audio du panneau avant conformément à la procédure ci-dessous :
   A. Connectez Mic_IN (MIC) à MIC2_L.
   B. Connectez Audio_R (RIN) à OUT2_R et Audio_L (LIN) à OUT2_L.
   C. Connectez Ground (GND) à Ground (GND).
   D. MIC_RET et OUT_RET sont réservés au panneau audio HD. Vous n'avez pas besoin de les connecter pour le panneau audio AC'97.
   E. Entrer dans l'utilitaire de configuration du BIOS. Saisir les Paramètres avancés puis sélectionner Configuration du jeu de puces. Définir l'option panneau de commande de [Auto] à [Activé].
   F. Entrer dans le système Windows. Cliquer sur l'icône sur la barre de tâches dans le coin inférieur droite pour entrer dans le Gestionnaire audio Realtek HD.
   Pour Windows® XP / XP 64-bit OS:
   Cliquer sur « E/S audio», sélectionner « Paramètres du connecteur »  , choisir « Désactiver la détection de la prise du panneau de commande » et sauvegarder les changements en cliquant sur « OK ».
   Pour Windows® Vista™ / Vista™ 64-bit OS:
   Cliquer droit "Fichier" icone  , selectionner" la detection incapable de jack de panel d'avant " et sauvegarder le changement par cliquer"ok".
   G. Pour activer le mic.
   Pour les SE Windows® XP / XP 64 bits :
   Veuillez sélectionner "Front Mic" (Mic. Avant) comme le dispositif d'enregistrement par défaut.
   Si vous voulez entendre votre voix à travers le mic. avant veuillez désactiver l'icône «Silence» dans "Front Mic" (Mic. Avant) de la portion "Playback" (Lecture).
   Pour les SE Windows® Vista™ / Vista™ 64 bits :
   Allez à l'onglet «Front Mic» (Mic. Avant) dans le panneau de commandes Realtek.
   Cliquez sur «Configurer le dispositif par défaut» pour faire du Mic Avant le dispositif d'enregistrement par défaut.

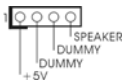
Français

Connecteur pour panneau
(PANEL1 br. 9)
(voir p.2 fig. 20)



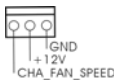
Ce connecteur offre plusieurs fonctions système en façade.

Connecteur du haut-parleur du châssis
(SPEAKER1 br. 4)
(voir p.2 fig. 19)



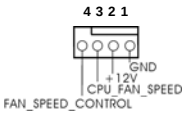
Veuillez connecter le haut-parleur de châssis sur ce connecteur.

Connecteur pour ventilateur de châssis
(CHA_FAN1 br. 3)
(voir p.2 fig. 21)



Veuillez connecter le câble du ventilateur du châssis sur ce connecteur en branchant le fil noir sur la broche de terre.

Connecteur pour ventilateur CPU
(CPU_FAN1 br. 4)
(voir p.2 fig. 5)



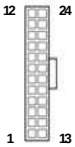
Veuillez connecter un câble de ventilateur d'UC sur ce connecteur et brancher le fil noir sur la broche de terre.

ien que cette carte mère offre un support de (Ventilateur silencieux) ventilateur de CPU à 4 broches , le ventilateur de CPU à 3 broches peut bien fonctionner même sans la fonction de commande de vitesse du ventilateur. Si vous prévoyez de connecter le ventilateur de CPU à 3 broches au connecteur du ventilateur de CPU sur cette carte mère, veuillez le connecter aux broches 1-3.

Installation de ventilateur à 3 broches

Broches 1-3 connectées

Connecteur d'alimentation ATX
(ATXPWR1 br. 24)
(voir p.2 fig. 8)



Veuillez connecter une unité d'alimentation ATX sur ce connecteur.

Bien que cette carte mère fournisse un connecteur de courant ATX 24 broches, elle peut encore fonctionner si vous adopter une alimentation traditionnelle ATX 20 broches. Pour utiliser une alimentation ATX 20 broches, branchez à l'alimentation électrique ainsi qu'aux broches 1 et 13.

20-Installation de l'alimentation électrique ATX

Connecteur d'alimentation 12V ATX
(ATX12V1 br. 4)
(voir p.2 fig. 2)

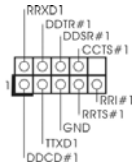
Veuillez noter qu'il est nécessaire de connecter une unité d'alimentation électrique avec prise ATX 12V sur ce connecteur afin d'avoir une alimentation suffisante. Faute de quoi, il ne sera pas possible de mettre sous tension.

Français

En-tête de port COM

(COM1 br.9)

(voir p.2 No. 24)



Cette en-tête de port COM est utilisée pour prendre en charge un module de port COM.

2. Informations sur le BIOS

La puce Flash Memory sur la carte mère stocke le Setup du BIOS. Lorsque vous démarrez l'ordinateur, veuillez presser <F2> pendant le POST (Power-On-Self-Test) pour entrer dans le BIOS; sinon, le POST continue ses tests de routine. Si vous désirez entrer dans le BIOS après le POST, veuillez redémarrer le système en pressant <Ctl> + <Alt> + <Suppr>, ou en pressant le bouton de reset sur le boîtier du système. Vous pouvez également redémarrer en éteignant le système et en le rallumant. L'utilitaire d'installation du BIOS est conçu pour être convivial. C'est un programme piloté par menu, qui vous permet de faire défiler par ses divers sous-menus et de choisir parmi les choix prédéterminés. Pour des informations détaillées sur le BIOS, veuillez consulter le Guide de l'utilisateur (fichier PDF) dans le CD technique.

3. Informations sur le CD de support

Cette carte mère supporte divers systèmes d'exploitation Microsoft® Windows®: XP / XP Media Center / XP 64-bit / Vista™ / Vista™ 64-bit. Le CD technique livré avec cette carte mère contient les pilotes et les utilitaires nécessaires pour améliorer les fonctions de la carte mère. Pour utiliser le CD technique, insérez-le dans le lecteur de CD-ROM. Le Menu principal s'affiche automatiquement si "AUTORUN" est activé dans votre ordinateur. Si le Menu principal n'apparaît pas automatiquement, localisez dans le CD technique le fichier "ASSETUP.EXE" dans le dossier BIN et double-cliquez dessus pour afficher les menus.

1. Introduzione

Grazie per aver scelto una scheda madre ASRock ***ALiveNF7G-GLAN***, una scheda madre affidabile prodotta secondo i severi criteri di qualità ASRock. Le prestazioni eccellenti e il design robusto si conformano all'impegno di ASRock nella ricerca della qualità e della resistenza. Questa Guida Rapida all'Installazione contiene l'introduzione alla motherboard e la guida passo-passo all'installazione. Informazioni più dettagliate sulla motherboard si possono trovare nel manuale per l'utente presente nel CD di supporto.

Le specifiche della scheda madre e il software del BIOS possono essere aggiornati, pertanto il contenuto di questo manuale può subire variazioni senza preavviso. Nel caso in cui questo manuale sia modificato, la versione aggiornata sarà disponibile sul sito di ASRock senza altro avviso. Sul sito ASRock si possono anche trovare le più recenti schede VGA e gli elenchi di CPU supportate.
ASRock website http://www.asrock.com
Se si necessita dell'assistenza tecnica per questa scheda madre, visitare il nostro sito per informazioni specifiche sul modello che si sta usando.
www.asrock.com/support/index.asp

1.1 Contenuto della confezione

Scheda madre ASRock ***ALiveNF7G-GLAN***
(Micro ATX Form Factor: 9.6-in x 8.2-in, 24.4 cm x 20.8 cm)
Guida di installazione rapida ASRock ***ALiveNF7G-GLAN***
CD di supporto ASRock ***ALiveNF7G-GLAN***
Un cavo IDE 80-pin Ultra ATA 66/100/133
Un cavo dati Serial ATA (SATA) (Opzionale)
Un cavo alimentatore HDD Serial ATA (SATA) (Opzionale)
Un I/O Shield

1.2 Specifiche

Piattaforma	- Micro ATX Form Factor: 9.6-in x 8.2-in, 24.4 cm x 20.8 cm
Processore	- Supporto per processori Socket AM2+ / AM2: AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dual-Core / Athlon X2 Dual-Core / Athlon 64 / processore Sempron - Supporto di processori AM3: AMD Phenom™ II X4 / X3 e Athlon II X4 / X3 / X2 - Pronto AMD LIVE!™ - Supporto tecnologia AMD Cool 'n' Quiet™ - FSB 1000 MHz (2.0 GT/s) - Supporta la tecnologia overclocking "slegata" (vedi **ATTENZIONE 1**) - Supporta la tecnologia Hyper-Transport
Chipset	- NVIDIA® GeForce 7050 / nForce 630A MCP
Memoria	- Supporto tecnologia Dual Channel Memory (vedi **ATTENZIONE 2**) - 4 x slot DDR2 DIMM - Supporto DDR2 1066/800/667/533 non-ECC, momoria senza buffer (vedi **ATTENZIONE 3**) - Capacità massima della memoria di sistema: 16GB (vedi **ATTENZIONE 4**)
Slot di espansione	- 1 x slot PCI Express x16 - 1 x slot PCI Express x1 - 2 x slot PCI
VGA su scheda	- Scheda Serie NVIDIA® GeForce7 (NV44) - VGA DX9.0, Pixel Shader 3.0 - Memoria massima condivisa 256MB (vedi **ATTENZIONE 5**) - Uscita VGA Doppia: supporto porte DVI-D e D-Sub tramite verificatore display indipendente - Supporto per funzione HDCP con porta DVI-D port - Supporto riproduzione BD (Blu-ray) 1080p / HD-DVD (vedi **ATTENZIONE 6**) - NVIDIA® PureVideo™ Ready
Audio	- 5.1 Audio HD CH Windows® Vista™ Premium Level (ALC662 Audio Codec) - Chipset HDMI Audio incorporato
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Realtek RTL8211CL - Supporta Wake-On-LAN
Pannello posteriore I/O	- ASRock 6CH_DVI I/O - 1 x Porta PS/2 per mouse - 1 x Porta PS/2 per tastiera

	- 1 x Porta VGA/D-Sub - 1 x Porta VGA/DVI-D (vedi **ATTENZIONE 7**) - 1 x Porta parallela: supporto ECP/EPP - 4 x Porte USB 2.0 già integrate - 1 x porte LAN RJ-45 con LED (LED azione/collegamento e LED velocità) - Audio Jack: Line In / Line Out / Microfono
Connettori	- 4 x connettori SATAII 3.0Go/s, sopporta RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 e JBOD), NCQ, AHCI e “Collegamento a caldo” (vedi **ATTENZIONE 8**) - 1 x connettori ATA133 IDE (supporta fino a 2 dispositivi IDE) - 1 x porta Floppy - 1 x Collettore modulo infrarossi - 1 x collettore porta COM - Connettore ventolina CPU/telaio - 24-pin collettore alimentazione ATX - 4-pin connettore ATX 12V - Connettori audio interni - Connettore audio sul pannello frontale - 3 x Collettore USB 2.0 (supporta 6 porte USB 2.0) (vedi **ATTENZIONE 9**)
BIOS	- 4Mb AMI BIOS - Suppor AMI legal BIOS - Supporta “Plug and Play” - Compatibile con ACPI 1.1 wake up events - Supporta jumperfree - Supporta SMBIOS 2.3.1 - Smart BIOS supportato
CD di supporto	- Driver, utilità, software antivirus (Versione dimostrativa)
Caratteristica speciale	- Sintonizzatore ASRock OC (vedi **ATTENZIONE 10**) - Intelligent Energy Saver (Risparmio intelligente dell’energia) (vedi **ATTENZIONE 11**) - Instant Boot - Booster ibrido: - Stepless control per frequenza del processore (vedi **ATTENZIONE 12**) - ASRock U-COP (vedi **ATTENZIONE 13**) - Boot Failure Guard (B.F.G.) - ASRock AM2 Boost: Tecnologia brevettata ASRock per migliorare le prestazioni della memoria fino al 12,5% (vedi **ATTENZIONE 14**)

Monitor-aggio Hardware	- Sensore per la temperatura del processore - Sensore temperatura scheda madre - Indicatore di velocità per la ventola del processore - Indicatore di velocità per la ventola di raffreddamento - Ventola CPU silenziosa - Voltaggio: +12V, +5V, +3.3V, Vcore
Compatibi-lità SO	- Microsoft® Windows® XP / Centro multimediale XP / XP 64 bit / Vista™ / Vista™ 64 bit
Certificazioni	- FCC, CE, WHQL

* Per ulteriori informazioni, prego visitare il nostro sito internet: http://www.asrock.com

AVVISO

Si prega di prendere atto che la procedura di overclocking implica dei rischi, come anche la regolazione delle impostazioni del BIOS, l'applicazione della tecnologia Untied Overclocking Technology, oppure l'uso di strumenti di overclocking forniti da terzi. L'overclocking può influenzare la stabilità del sistema, ed anche provocare danni ai componenti ed alle periferiche del sistema. La procedura è eseguita a proprio rischio ed a proprie spese. Noi non possiamo essere ritenuti responsabili per possibili danni provocati dall'overclocking.

ATTENZIONE!

1. Questa scheda madre supporta la tecnologia overclocking "slegata". Per i dettagli leggere "Tecnologia di Untied Overclocking" a pagina 25.
2. Questa scheda madre supporta la tecnologia Dual Channel Memory. Prima di implementare la tecnologia Dual Channel Memory, assicurarsi di leggere la guida all'installazione dei moduli di memoria, a pagina 12, per seguire un'installazione appropriata.
3. Il fatto che la velocità della memoria da 1066MHz sia supportata o meno, dipende dagli AM2+ CPU utilizzati. Se si desidera adottare il modulo di memoria DDR2 1066 su questa scheda madre, fare riferimento all'elenco delle memorie supportate nel nostro sito web per scoprire quali sono i moduli compatibili.
   Sito web ASRock http://www.asrock.com
4. A causa delle limitazioni del sistema operativo, le dimensioni effettive della memoria possono essere inferiori a 4GB per l'accantonamento riservato all'uso del sistema sotto Windows® XP e Windows® Vista™. Per Windows® XP 64-bit e Windows® Vista™ 64-bit con CPU 64-bit, non c'è tale limitazione.
5. La dimensione massima della memoria condivisa viene stabilita dal venditore del chipset ed e' soggetta a modificazioni. Prego fare riferimento al sito internet NVIDIA® per le ultime informazioni.
6. Il supporto per riproduzione 1080p Blu-ray (BD) / HD-DVD sulla scheda madre richiede una corretta configurazione hardware. Prego fare riferimento alla pagina 9 ed 10 per i requisiti minimi hardware e per il test 1080p Blu-ray (BD) / HD-DVD del nostro laboratorio.
7. Questa porta DVI-D per chip set usata sulla scheda madre puo' supportare segnali in formato DVI/HDCP e HDMI. E' possibile usare

l'adattatore DVI per HDMI per convertire queta porta DVI-D per l'interfaccia HDMI. L'adattatore DVI su HDMI non e' allegato al nostro prodotto, prego fare riferimento al venditore dell'unita' per ulteriori informazioni.

8. Prima di installare il disco rigido SATAII con il connettore SATAII, leggere la "Guida per la configurazione del disco rigido SATAII" a pagina 28 del "Manuale utente" nel CD in dotazione in modo da poter predisporre il disco rigido SATAII per la modalità SATAII. È anche possibile connettere il disco rigido SATA direttamente al connettore SATAII.
9. La Gestione Risorse per USB 2.0 funziona perfettamente con Microsoft® Windows® Vista™ 64-bit / Vista™ / XP 64 bit / XP SP1; SP2.
10. Si tratta di uno strumento di sicronizzazione ASRock di face uso in grado di implementare il controllo del sistema tramite la funzione di hardware monitor e sincronizzare le Vostre unita' hardware per ottenere la migliore prestazione in Windows®. Prego visitare il nostro sito Internet per ulteriori dettagli circa l'uso del Sintonizzatore ASRock OC. ASRock website: http://www.asrock.com
11. Grazie ad un innovative hardware proprietario ed alla progettazione specifica del software, Intelligent Energy Saver (Risparmio intelligente dell'energia), è una tecnologia rivoluzionaria che consente di realizzare risparmi energetici senza pari. Il regolatore di tensione è in grado di ridurre il numero di fasi in uscita in modo da migliorare l'efficienza quando i nuclei della CPU sono inattivi. In alter parole, permette di realizzare risparmi energetica senza pari e di migliorare l'efficienza energetica senza ridurre le prestazioni del computer. Per usare la funzione Intelligent Energy Saver (Risparmio intelligente dell'energia), attivare l'opzione Cool 'n' Quiet nella configurazione avanzata del BIOS. Si prega di visitare il nostro sito Internet per le procedure di funzionamento dell'Intelligent Energy Saver (Risparmio intelligente dell'energia).
    Sito Internet di ASRock: http://www.asrock.com
12. Anche se questa motherboard offre il controllo stepless, non si consiglia di effettuare l'overclocking. L'uso di frequenze diverse da quelle raccomandate per il bus CPU possono provocare l'instabilità del sistema o danneggiare la CPU.
13. Se il processore si surriscalda, il sistema si chiude automaticamente. Prima di riavviare il sistema, assicurarsi che la ventolina CPU della scheda madre funzioni correttamente; scollegare e ricollegare il cavo d'alimentazione. Per migliorare la dissipazione del calore, ricordare di applicare l'apposita pasta siliconica tra il processore e il dissipatore quando si installa il sistema.
14. Questa scheda madre supporta la tecnologia di overclocking ASRock AM2 Boost. Se si abilita questa funzione nel Setup del BIOS, le prestazioni della memoria miglioreranno fino al 12,5%, per gli effetti dipendono sempre dalla CPU AM2 che si adotta. Abilitare questa

funzione provocherà l'overclock della frequenza di case del chipset/ CPU. Tuttavia, non possiamo garantire la stabilità del sistema per tutte le configurazioni CPU/DRAM. Se il sistema è instabile dopo avere abilitato la funzione AM2 Boost, significa che la funzione non è adatta al sistema. Si può scegliere di disabilitare la funzione per mantenere la stabilità del sistema.

1.3 Setup dei Jumpers

L'illustrazione mostra come sono settati i jumper. Quando il ponticello è posizionato sui pin, il jumper è "CORTOCIRCUITATO". Se sui pin non ci sono ponticelli, il jumper è "APERTO". L'illustrazione mostra un jumper a 3 pin in cui il pin1 e il pin2 sono "CORTOCIRCUITATI" quando il ponticello è posizionato su questi pin.

CORTOCIRCUITATO APERTO

Jumper	Settaggio del Jumper	
PS2_USB_PW1 (vedi p.2 item 1)		Cortocircuitare pin2, pin3 per settare a +5VSB (standby) e abilitare PS/2 o USB wake up events.

Nota: Per selezionare +5VSB, si richiedono almeno 2 Ampere e il consumo di corrente in standby sarà maggiore.

Resettare la CMOS (CLRCMOS1) (vedi p.2 item 15)	 Impostazione predefinita Azzeramento CMOS	

Nota: CLRCMOS1 permette di cancellare i dati presenti nel CMOS. I dati del CMOS comprendono le informazioni di configurazione quali la password di sistema, data, ora, e i parametri di configurazione del sistema. Per cancellare e ripristinare i parametri del sistema, spegnere il computer e togliere il cavo di alimentazione dalla presa di corrente. Dopo aver lasciato trascorrere 15 secondi, utilizzare un cappuccio jumper per cortocircuitare i pin 2 e 3 su CLRCMOS1 per 5 secondi. Dopo aver cortocircuitato il jumper Clear CMOS jumper, togliere il terminatore jumper. Non cancellare la CMOS subito dopo aver aggiornato il BIOS. Se è necessario cancellare la CMOS una volta completato l'aggiornamento del BIOS, è necessario riavviare prima il sistema, e poi spegnerlo prima di procedere alla cancellazione della CMOS.

1.4 Connettori

I connettori NON sono jumpers. NON COLLOCARE i ponticelli sui connettori. Installando dei cappucci a ponticello sui connettori si causeranno danni permanenti alla scheda madre!

Connettori **Descrizione dei connettori**

Connettore del Floppy disk
(33-pin FLOPPY1)
(vedi p.2 item 22)

Lato del Pin1 con la striscia rossa

Nota: Assicurarsi che il lato del cavo con la striscia rossa sia inserito nel lato Pin1 del connettore.

Connettore IDE primario (blu)
(39-pin IDE1, vedi p.2 Nr. 9)

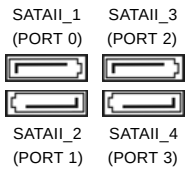
Connettore blu alla schedamadre

Connettore nero all'hard disk drive

Cavo ATA 66/100/133 a 80 Pin

Nota: Fate riferimento alle istruzioni del produttore del dispositivo IDE per maggiori dettagli.

Connettori Serial ATAII
(SATAII_1 (PORT 0): vedi p.2 Nr. 10)
(SATAII_2 (PORT 1): vedi p.2 Nr. 13)
(SATAII_3 (PORT 2): vedi p.2 Nr. 11)
(SATAII_4 (PORT 3): vedi p.2 Nr. 12)



Questi quattro connettori Serial ATA (SATAII) supportano le periferiche di archiviazione HD SATA o SATAII per le funzioni di archiviazione interna. ATAII (SATAII) supportano cavi SATAII per dispositivi di memoria interni. L'interfaccia SATAII attuale permette velocità di trasferimento dati fino a 3.0 Gb/s.

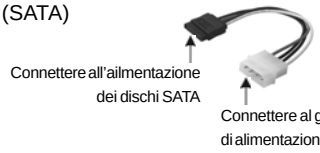
Cavi dati Serial ATA (SATA)
(Opzionale)

Entrambe le estremità del cavo dati SATA possono collegarsi all'hard disk SATA / SATAII o al connettore SATAII sulla scheda madre.

Italiano

Cavo d'alimentazione Serial ATA (SATA)

(Opzionale)

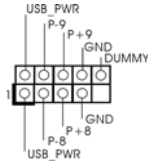


Collegare l'estremità nera de cavo di alimentazione SATA al connettore di alimentazione del drive. Poi connettete l'estremità bianca del cavo di alimentazione SATA al connettore power dell'alimentatore.

Collettore USB 2.0

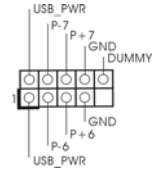
(9-pin USB8_9)

(vedi p.2 No. 16)



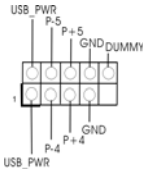
(9-pin USB6_7)

(vedi p.2 No. 17)



(9-pin USB4_5)

(vedi p.2 No. 18)

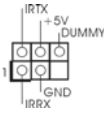


Oltre alle quattro porte USB 2.0 predefinite nel pannello I/O, la scheda madre dispone di tre intestazioni USB 2.0. Ciascuna intestazione USB 2.0 supporta due porte USB 2.0.

Collettore modulo infrarossi

(5-pin IR1)

(vedi p.2 Nr. 23)

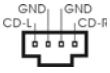


Questo collettore supporta moduli ad infrarossi optional per la trasmissione e la ricezione senza fili.

Connettori audio interni

(4-pin CD1)

(CD1: vedi p.2 item 25)



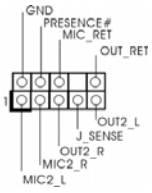
CD1

Permettono di ricevere input stereo audio da fonti di suono come CD-ROM, DVD - ROM,TV tuner, o schede MPEG.

Connettore audio sul pannello frontale

(9-pin HD_AUDIO1)

(vedi p.2 item 26)



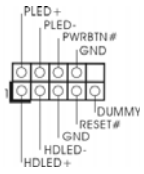
È un'interfaccia per il cavo del pannello audio. Che consente connessione facile e controllo dei dispositivi audio.

1. La caratteristica HDA (High Definition Audio) supporta il rilevamento dei connettori, però il pannello dei cavi sul telaio deve supportare la funzione HDA (High Definition Audio) per far sì che questa operi in modo corretto. Attenersi alle istruzioni del nostro manuale e del manuale del telaio per installare il sistema.
2. Se si utilizza un pannello audio AC'97, installarlo nell'intestazione audio del pannello anteriore, come indicato di seguito:
   A. Collegare Mic_IN (MIC) a MIC2_L.
   B. Collegare Audio_R (RIN) a OUT2_R e Audio_L (LIN) ad OUT2_L.
   C. Collegare Ground (GND) a Ground (GND).
   D. MIC_RET e OUT_RET sono solo per il pannello audio HD. Non è necessario collegarli per il pannello audio AC'97.
   E. Entrare nel programma di impostazione BIOS. Entrare su Impostazioni avanzate, quindi selezionare Configurazione chipset. Impostare l'opzione Comando pannello anteriore da [Auto] a [Attivato].
   F. Entrare nel sistema di Windows. Fare clic sull'icona situata nell'angolo inferiore destro della barra delle applicazioni per entrare su Realtek HD Audio Manager.
   Per Windows® XP / XP 64-bit OS:
   Fare clic su "Audio I/O", selezionare "Impostazioni connettore"  , scegliere "Disattiva rilevazione presa pannello anteriore" e salvare la modifica facendo clic su "OK".
   Per Windows® Vista™ / Vista™ 64-bit OS:
   Cliccare sull'icona in alto a destra "Folder" ("Cartella")  , selezionare "Disable front panel jack detection" "Disabilitare individuazione presa pannello frontale") e cliccare "OK" per memorizzare.
   G. Per attivare il microfono anteriore.
   Per il sistema operativo Windows® XP / XP 64-bit:
   Selezionare "Microfono anteriore" come dispositivo predefinito per la registrazione. Per ascoltare la propria voce tramite il microfono anteriore, deselezionare l'icona "Muto" in "Microfono anteriore" di "Riproduzione".
   Per il sistema operative Windows® Vista™ / Vista™ 64-bit:
   Andare alla scheda "Microfono anteriore" nel pannello di controllo d i Realtek. Fare clic su "Imposta dispositivo predefinito" per impostare il microfono anteriore come dispositivo predefinito per la registrazione.

Connettore del panello frontale

(9-pin PANEL1)

(vedi p.2 No. 20)



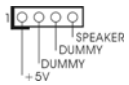
Questo connettore accoglie diverse funzioni del pannello frontale.

Italiano

Collettore casse telaio

(4-pin SPEAKER1)

(vedi p.2 item 19)

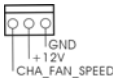


Collegare le casse del telaio a questo collettore.

Connettore ventolina telaio

(3-pin CHA_FAN1)

(vedi p.2 item 21)

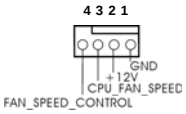


Collegare il cavo della ventolina telaio a questo connettore e far combaciare il filo nero al pin terra.

Connettore ventolina CPU

(4-pin CPU_FAN1)

(vedi p.2 item 5)



Collegare il cavo della ventolina CPU a questo connettore e far combaciare il filo nero al pin terra.

Sebbene la presente scheda madre disponga di un supporto per ventola CPU a 4 piedini (ventola silenziosa), la ventola CPU a 3 piedini è in grado di funzionare anche senza la funzione di controllo della velocità della ventola. Se si intende collegare la ventola CPU a 3 piedini al connettore della ventola CPU su questa scheda madre, collegarla ai piedini 1-3.

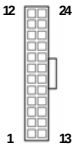
Piedini 1-3 collegati

Installazione della ventola a 3 piedini

Collettore alimentazione ATX

(24-pin ATXPWR1)

(vedi p.2 item 8)



Collegare la sorgente d'alimentazione ATX a questo collettore.

Con questa scheda madre, c'è in dotazione un connettore elettrico ATX a 24 pin, ma può funzionare lo stesso se si adotta un alimentatore ATX a 20 pin. Per usare l'alimentatore ATX a 20 pin, collegare l'alimentatore con il Pin 1 e il Pin 13.

Installazione dell'alimentatore ATX a 20 pin

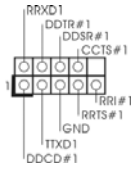
Connettore ATX 12V

(4-pin ATX12V1)

(vedi p.2 item 2)

È necessario collegare una alimentazione con spinotto da 12V ATX a questo connettore in modo che possa fornire energia sufficiente. In caso contrario l'unità non si avvia.

Italiano

Collettore porta COM (9-pin COM1) (voir p.2 Nr. 24)		Questo collettore porta COM è utilizzato per supportare il modulo porta COM.

2. Informazioni sul BIOS

La Flash Memory sulla scheda madre contiene le Setup Utility. Quando si avvia il computer, premi <F2> durante il Power-On-Self-Test (POST) della Setup utility del BIOS; altrimenti, POST continua con i suoi test di routine. Per entrare il BIOS Setup dopo il POST, riavvia il sistema premendo <Ctl> + <Alt> + <Delete>, o premi il tasto di reset sullo chassis del sistema. El BIOS Setup Utility es diseñádo “user-friendly”. Es un programa guido al menu, es decir, puede enrollarse a sus varios su-menues y elegir las opciones predeterminadas. Per informazioni più dettagliate circa il Setup del BIOS, fare riferimento al Manuale dell’Utente (PDF file) contenuto nel cd di supporto.

3. Software di supporto e informazioni su CD

Questa scheda madre supporta vari sistemi operativi Microsoft® Windows®: XP / Centro multimediale XP / XP 64 bit / Vista™ / Vista™ 64 bit. Il CD di supporto a corredo della scheda madre contiene i driver e utilità necessari a potenziare le caratteristiche della scheda. Inserire il CD di supporto nel lettore CD-ROM. Se la funzione “AUTORUN” è attivata nel computer, apparirà automaticamente il Menù principale. Se il Menù principale non appare automaticamente, posizionarsi sul file ASSETUP.EXE nel CESTINO del CD di supporto e cliccare due volte per visualizzare i menù.

1. Introducción

Gracias por su compra de ASRock ***ALiveNF7G-GLAN*** placa madre, una placa de confianza producida bajo el control de calidad estricto y persistente. La placa madre provee realización excelente con un diseño robusto conforme al compromiso de calidad y resistencia de ASRock.

Esta Guía rápida de instalación contiene una introducción a la placa base y una guía de instalación paso a paso. Puede encontrar una información más detallada sobre la placa base en el manual de usuario incluido en el CD de soporte.

Porque las especificaciones de la placa madre y el software de BIOS podrían ser actualizados, el contenido de este manual puede ser cambiado sin aviso. En caso de cualquier modificación de este manual, l a versión actualizada estará disponible en el website de ASRock sin previo aviso. También encontrará las listas de las últimas tarjetas VGA y CPU soportadas en la página web de ASRock.

Website de ASRock http://www.asrock.com

Si necesita asistencia técnica en relación con esta placa base, visite nuestra página web con el número de modelo específico de su placa.

www.asrock.com/support/index.asp

1.1 Contenido de la caja

Placa base ASRock ***ALiveNF7G-GLAN***

(Factor forma Micro ATX: 24,4 cm x 20,8 cm, 9,6” x 8,2”)

Guía de instalación rápida de ASRock ***ALiveNF7G-GLAN***

CD de soporte de ASRock ***ALiveNF7G-GLAN***

Una cinta de datos IDE de conducción 80 Ultra ATA 66/100/133

Un Cable de Datos Serial ATA (SATA) (Opcional)

Un cable serie ATA (SATA) de alimentación de disco duro (Opcional)

Una protección I/O

1.2 Especificación

Plataforma	- Factor forma Micro ATX: 24,4 cm x 20,8 cm, 9,6" x 8,2"
Procesador	- Soporte para procesadores con zócalo AM2+ y AM2: AMD Phenom™ FX, Phenom, Athlon 64 FX, Athlon 64 X2 Dual-Core, Athlon X2 Dual-Core, Athlon 64 y procesador Sempron - Compatibilidad con procesadores con AM3: procesador AMD Phenom™ II X4 / X3 y Athlon II X4 / X3 / X2 - Compatible con AMD LIVE!™ - Con soporte para tecnología Cool 'n' Quiet™ de AMD - FSB 1000 MHz (2.0 GT/s) - Admite tecnología de aumento de velocidad liberada (vea **ATENCIÓN 1**) - Soporta Tecnología de Hiper-Transporte
Chipset	- NVIDIA® GeForce 7050 / nForce 630A MCP
Memoria	- Soporte de Tecnología de Memoria de Doble Canal (ver **ATENCIÓN 2**) - 4 x DDR2 DIMM slots - Apoya DDR2 1066/800/667/533 non-ECC, memoria de un-buffered (vea **ATENCIÓN 3**) - Máxima capacidad de la memoria del sistema: 16GB (vea **ATENCIÓN 4**)
Ranuras de Expansión	- 1 x ranura PCI Express x16 - 1 x ranuras PCI Express x1 - 2 x ranuras PCI
VGA OnBoard	- Serie integrada de NVIDIA® GeForce7 (NV44) - VGA DX9.0, Sombreador de Píxeles 3.0 - 256MB de Memoria máxima compartida (vea **ATENCIÓN 5**) - Salida de VGA dual: apoya los puertos de DVI-D y de D-Sub por los reguladores independientes de la exhibición - Apoya la función de HDCP con el puerto de DVI-D - Compatible con reproducción 1080p Blu-ray (BD) / HD-DVD (vea **ATENCIÓN 6**) - Listo de NVIDIA® PureVideo™
Audio	- Sonido HD de Nivel Superior 5.1 Canales Windows® Vista™ (Códec de sonido ALC662) - Chipset encajado en HDMI Audio
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Realtek RTL8211CL - Soporta Wake-On-LAN
Entrada/Salida de Panel Trasero	ASRock 6CH_DVI I/O - 1 x puerto de ratón PS/2 - 1 x puerto de teclado PS/2

	- 1 x puerto VGA/D-Sub - 1 x puerto VGA/DVI-D (ver **ATENCIÓN 7**) - 1 x puerto paralelo: soporta ECP/EPP - 4 x puertos USB 2.0 predeterminados - 1 x Puerto LAN RJ-45 con LED (LED de ACCIÓN/ENLACE y LED de VELOCIDAD) - Audio Jack: Line In / Line Out / Micrófono
Conectores	- 4 x conexiones SATAII, admiten una velocidad de transferencia de datos de hasta 3,0Gb/s, soporta RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 y JBOD), NCQ, AHCI y "Conexión en caliente" (vea **ATENCIÓN 8**) - 1 x ATA133 conexiones IDE (admite hasta 2 dispositivos IDE) - 1 x puerto Floppy - 1 x Cabezal de Módulo Infrarrojos - 1x En-tête de port COM - Conector del ventilador del CPU/chasis - 24-pin cabezal de alimentación ATX - 4-pin conector de ATX 12V power - Conector de Audio Interno - Conector de audio de panel frontal - 3 x Cabezal USB 2.0 (admite 6 puertos USB 2.0 adicionales) (vea **ATENCIÓN 9**)
BIOS	- 4Mb AMI BIOS - AMI legal BIOS - Soporta "Plug and Play" - ACPI 1.1 compliance wake up events - Soporta "jumper free setup" - Soporta SMBIOS 2.3.1 - Compatible con Smart BIOS
CD de soport	- Controladores, Utilerías, Software de Anti Virus (Versión de prueba)
Característica Única	- Sintonizador de ASRock OC (vea **ATENCIÓN 10**) - Administrador de energía inteligente (vea **ATENCIÓN 11**) - Instant Boot - Amplificador Híbrido: - Stepless control de frecuencia de CPU (vea **ATENCIÓN 12**) - ASRock U-COP (vea **ATENCIÓN 13**) - Protección de Falla de Inicio (B.F.G..) - ASRock AM2 Boost: tecnología patentada de ASRock que permite mejorar el rendimiento de la memoria

	hasta en un 12,5% (vea **ATENCIÓN 14**)
Monitor Hardware	- Sensibilidad a la temperatura de procesador - Sensibilidad a la temperatura de la placa madre - Taquímetros de los ventiladores del procesador y del procesador - Taquímetros de los ventiladores del procesador y del chasis - Ventilador silencioso para procesador - Monitor de Voltaje: +12V, +5V, +3.3V, Vcore
OS	- En conformidad con Microsoft® Windows® XP / XP Media Center / XP 64 bits / Vista™ / Vista™ 64 bits
Certificaciones	- FCC, CE, WHQL

* Para más información sobre los productos, por favor visite nuestro sitio web: http://www.asrock.com

ADVERTENCIA

Tenga en cuenta que hay un cierto riesgo implícito en las operaciones de aumento de la velocidad del reloj, incluido el ajuste del BIOS, aplicando la tecnología de aumento de velocidad liberada o utilizando las herramientas de aumento de velocidad de otros fabricantes. El aumento de la velocidad puede afectar a la estabilidad del sistema e, incluso, dañar los componentes y dispositivos del sistema. Esta operación se debe realizar bajo su propia responsabilidad y Ud. debe asumir los costos. No asumimos ninguna responsabilidad por los posibles daños causados por el aumento de la velocidad del reloj.

ATENCIÓN!

1. Esta placa base admite la tecnología de aumento de velocidad liberada. Por favor lea “Tecnología de Forzado de Reloj (Overclocking) no relacionado” en la página 25 para obtener detalles.
2. Esta placa base soporta Tecnología de Memoria de Doble Canal. Antes de implementar la Tecnología de Memoria de Doble Canal, asegúrese de leer la guía de instalación de módulos de memoria en la página 12 para su correcta instalación.
3. Que la velocidad de memoria de 1066 MHz se admita o no se admita, depende de la configuración AM2+ Procesador que adopte. Si desea adoptar el módulo de memoria DDR2 1066 en esta placa base, consulte la lista de compatibilidad de memorias en nuestro sitio Web para obtener los módulos de memoria compatibles. Sitio Web de ASRock: http://www.asrock.com
4. Debido a las limitaciones del sistema, el tamaño real de la memoria debe ser inferior a 4GB para que el sistema pueda funcionar bajo Windows® XP y Windows® Vista™. Para equipos con Windows® XP 64-bit y Windows® Vista™ 64-bit con CPU de 64-bit, no existe dicha limitación.
5. El tamaño de la memoria compartido máximo es definido por el vendedor del chipset y está conforme al cambio. Por favor compruebe el Web site de NVIDIA® para la información más última.

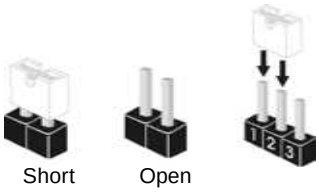
6. El apoyo de la reproducción de Blu-rayo de 1080p (BD) / HD-DVD en esta placa base requiere la configuración de hardware apropiada. Por favor refieren a la página 9 y 10 para el requisito mínimo de hardware y las películas de Blu-rayo de 1080p (BD) / HD-DVD pasado en nuestra prueba del laboratorio.
7. Este puerto de DVI-D para el chipset adoptado en esta placa base puede apoyar la señal del formato de DVI/HDCP y HDMI. Pueda utilizar el DVI al adaptador de HDMI para convertir este puerto de DVI-D al interfaz de HDMI. El adaptador de DVI a HDMI no es empacado con nuestro producto, por favor refiere al vendedor del adaptador para la información adicional.
8. Antes de instalar un disco duro SATAII en el conector SATAII, consulte la sección “Guía de instalación de discos duros SATAII” en la página 28 del “Manual de usuario” que se incluye en el CD de soporte para configurar su disco duro SATAII en modo SATAII. También puede conectar un disco duro SATA directamente al conector SATAII.
9. Power Management para USB 2.0 funciona bien bajo Microsoft® Windows® Vista™ 64 bits / Vista™ / XP 64 bits / XP SP1; SP2.
10. Es una herramienta de overclocking de ASRock de usuario-fácil que le permite a supervisar su sistema por la función de monitor de hardware y overclock sus dispositivos de hardware para obtener el mejor funcionamiento del sistema bajo el entorno de Windows®. Por favor visite nuestro sitio web para los procedimientos de operación de Sintonizador de ASRock OC.
    Sitio web de ASRock: http://www.asrock.com
11. Gracias a su avanzado hardware de propietario y diseño de software, Intelligent Energy Saver (Economizador de energía inteligente) es una revolucionaria tecnología que ofrece un ahorro de energía sin igual. El regulador de voltaje permite reducir el número de fases de salida para mejorar la eficiencia cuando los núcleos de la CPU están inactivos. En otras palabras, permite ofrecer un ahorro excepcional de energía y mejorar la eficiencia energética sin sacrificar el rendimiento del equipo. Para utilizar la función Intelligent Energy Saver (Economizador de energía inteligente) , active la opción Cool ‘n’ Quiet en la configuración de BIOS. Visite nuestro sitio web para conocer los procedimientos de uso de Intelligent Energy Saver (Economizador de energía inteligente).
    Sitio web de ASRock: http://www.asrock.com
12. Aunque esta placa base ofrece un control complete, no es recomendable forzar la velocidad. Las frecuencias de bus de la CPU distintas a las recomendadas pueden causar inestabilidad en el sistema o dañar la CPU.
13. Cuando la temperatura de CPU está sobre-elevada, el sistema va a apagarse automaticamente. Antes de reanudar el sistema, compruebe si el ventilador de la CPU de la placa base funciona apropiadamente y desconecte el cable de alimentación, a continuación, vuelva a conectarlo.

Para mejorar la disipación de calor, acuérdese de aplicar thermal grease entre el procesador y el disipador de calor cuando usted instala el sistema de PC.

14. Esta placa base admite la tecnología ASRock AM2 Boost para aumento de la velocidad del reloj. Si habilita esta función en la configuración del BIOS, el rendimiento de la memoria mejorará hasta en un 12,5%, pero seguirá dependiendo del procesador AM2 que adopte. Al activar esta función, la velocidad del reloj de referencia del conjunto de chips y del procesador aumentará. No obstante, no podemos garantizar la estabilidad del sistema para todas las configuraciones de procesador y memoria DRAM. Si el sistema se comporta de forma inestable después de habilitar la función AM2 Boost, es posible que dicha función no se pueda aplicar a aquél. Si lo desea, puede deshabilitar la función para mantener la estabilidad del sistema.

1.3 Setup de Jumpers

La ilustración muestra como los jumpers son configurados. Cuando haya un jumper-cap sobre los pins, se dice gue el jumper está "Short". No habiendo jumper cap sobre los pins, el jumper está "Open". La ilustración muesta un jumper de 3 pins cuyo pin 1 y pin 2 están "Short".



Short Open

Jumper	Setting	
PS2_USB_PW1 (vea p.2, No. 1)		Ponga en cortocircuito pin 2, pin 3 para habilitar +5VSB (standby) para PS/2 o USB wake up events.

Atención: Para elegir +5VSB, se necesita corriente mas que 2 Amp proveida por la fuente de electricidad.

Limpiar CMOS (CLRCMOS1, jumper de 3 pins) (ver p.2, N. 15)	 Valor predeterminado Restablecimiento de la CMOS	

Atención: CLRCMOS1 permite que Usted limpie los datos en CMOS. Los datos en CMOS incluyen informaciones de la configuración del sistema, tales como la contraseña del sistema, fecha, tiempo, y parámetros de la configuración del sistema. Para limpiar y reconfigurar los parametros del sistema a la configuración de la fábrica, por favor apague el computador y desconecte el cable de la fuente de electricidad, utilice una cubierta de jumper para aislar las agujas pin2 y pin3 en CLRCMOS1 durante 5 segundos. Por favor acuérdase de quitar el jumper cap después de limpiar el COMS. Por favor acuérdase de quitar el jumper cap después de limpiar el COMS. Si

necesita borrar la CMOS cuando acabe de finalizar la actualización de la BIOS, debe arrancar primero el sistema y, a continuación, apagarlo antes de realizar la acción de borrado de CMOS.

1.4 Conectores

Los conectores no son jumpers. Por favor no ponga jumper caps sobre los conectores. El colocar cubiertas de puentes sobre los conectores provocará un daño permanente en la placa base.

Conector	Figure	Descripción
Conector de disquetera (33-pin FLOPPY1) (vea p.2, No. 22)		 la banda roja debe quedar en el mismo lado que el contacto 1

Atención: Asegúrese que la banda roja del cable queda situado en el mismo lado que el contacto 1 de la conexión.

IDE conector primario (azul)
(39-pin IDE1, vea p.2, N. 9)

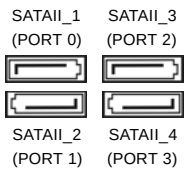
Conector azul a placa madre

Conector negro a aparato IDE

Cable ATA 66/100/133 de conducción 80

Atención: Consulte las instrucciones del distribuidor del dispositivo IDE para conocer l os detalles.

Conexiones de serie ATAII
(SATAII_1 (PORT 0): vea p.2, N. 10)
(SATAII_2 (PORT 1): vea p.2, N. 13)
(SATAII_3 (PORT 2): vea p.2, N. 11)
(SATAII_4 (PORT 3): vea p.2, N. 12)



Estos cuatro conectores de la Serie ATA (SATAII) soportan HDDs SATA o SATAII para dispositivos de almacenamiento interno. La interfaz SATAII actual permite una velocidad de transferencia de 3.0 Gb/s.

Cable de datos de serie ATA (SATA)
(Opcional)

Ambos extremos del cable pueden conectarse al disco duro SATA / SATAII o la conexión de la placa base.

Español

Cable de alimentación serie ATA (SATA)

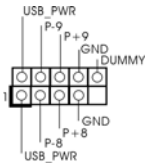
(Opcional)

Conecte el extremo negro del de cable de SATA al conector de energía de la unidad. A continuación, conecte el extremo blanco del cable de alimentación SATA a la conexión de alimentación de la fuente de alimentación.

Cabezal USB 2.0

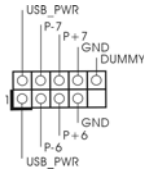
(9-pin USB8_9)

(ver p.2, No. 16)



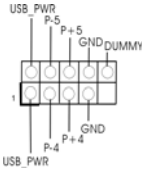
(9-pin USB6_7)

(ver p.2, No. 17)



(9-pin USB4_5)

(ver p.2, No. 18)

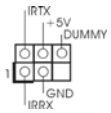


Además de cuatro puertos USB 2.0 predeterminados en el panel de E/S, hay tres bases de conexiones USB 2.0 en esta placa base. Cada una de estas bases de conexiones admite dos puertos USB 2.0.

Cabezal de Módulo Infrarrojos

(5-pin IR1)

(vea p.2, N. 23)

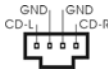


Este cabezal soporta un módulo infrarrojos de transmisión y recepción wireless opcional.

Conector de Audio Interno

(4-pin CD1)

(CD1: vea p.2, No. 25)

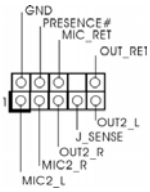


Permite recepción de input audio de fuente sónica como CD-ROM, DVD-ROM, TV tuner, o tarjeta MPEG.

Conector de audio de panel frontal

(9-pin HD_AUDIO1)

(vea p.2, No. 26)



Este es una interface para cable de audio de panel frontal que permite conexión y control conveniente de apparatos de Audio.

nectores de la
AII) soportan
ATAII para
almacenamiento
faz SATAII actual
ocidad de
e 3.0 Gb/s.

Español

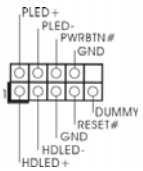
1. El Audio de Alta Definición soporta la detección de conector, pero el cable de panel en el chasis debe soportar HDA para operar correctamente. Por favor, siga las instrucciones en nuestro manual y en el manual de chasis para instalar su sistema.
2. Si utiliza el panel de sonido AC'97, instálelo en la cabecera de sonido del panel frontal de la siguiente manera:
   A. Conecte Mic_IN (MIC) a MIC2_L.
   B. Conecte Audio_R (RIN) a OUT2_R y Audio_L (LIN) en OUT2_L.
   C. Conecte Ground (GND) a Ground (GND).
   D. MIC_RET y OUT_RET son sólo para el panel de sonido HD. No necesitará conectarlos al panel de sonido AC'97.
   E. Entre en la Utilidad de configuración del BIOS Entre en Configuración avanzada y, a continuación, seleccione Configuración del conjunto de chips. En el panel de control frontal cambie la opción [Automático] a [Habilitado].
   F. Entre en el sistema Windows. Haga clic en el icono de la barra de tareas situada en la parte inferior derecha para entrar en el Administrador de audio HD Realtek.
   Para Windows® XP / XP 64-bit OS:
   Haga clic en "E/S de audio", seleccione "Configuración de conectores"  , elija "Deshabilitar la detección del conector del panel frontal" y guarde el cambio haciendo clic en "Aceptar".
   Para Windows® Vista™ / Vista™ 64-bit OS:
   Haga el clic el icono de la "Carpeta" de derecho-superior  , eliga "Inhabilitable la detección del gato del panel delantero" y ahorre el cambio por chascando "OK".
   G. Para activar el micrófono frontal.
   Para el sistema operativo Windows® XP / XP de 64 bits:
   Seleccione "Micrófono frontal" como el dispositivo de grabación predeterminado. Si desea escuchar su propia voz a través del micrófono frontal, anule la selección del icono «Activar silencio» en "Micrófono frontal" de la sección "Reproducción".
   Para el sistema operativo Windows® Vista™ / Vista™ de 64 bits:
   Vaya a la ficha «Micrófono central» en el panel Control de Realtek.
   Haga clic en «Establecer dispositivo predeterminado» para convertir el micrófono central en el dispositivo de grabación predeterminado.

Español

Conector del Panel del systema

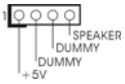
(9-pin PANEL1)

(vea p.2, No. 20)



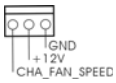
Este conector acomoda varias funciones de panel frontal del systema.

Cabezal del altavoz del chasis
(4-pin SPEAKER1)
(vea p.2, No. 19)



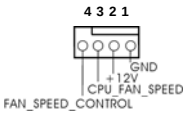
Conecte el altavoz del chasis a su cabezal.

Conector del ventilador del chasis
(3-pin CHA_FAN1)
(vea p.2, No. 21)



Conecte el cable del ventilador del chasis a este conector y haga coincidir el cable negro con el conector de tierra.

Conector del ventilador de la CPU
(4-pin CPU_FAN1)
(vea p.2, No. 5)



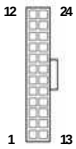
Conecte el cable del ventilador de la CPU a este conector y haga coincidir el cable negro con el conector de tierra.

Aunque esta placa base proporciona compatibilidad para un ventilador (silencioso) de procesador de 4 contactos, el ventilador de procesador de 3 contactos seguirá funcionando correctamente incluso sin la función de control de velocidad del ventilador. Si pretende enchufar el ventilador de procesador de 3 contactos en el conector del ventilador de procesador de esta placa base, conéctelo al contacto 1-3.

Contacto 1-3 conectado

Instalación del ventilador de 3 contactos

Cabezal de alimentación ATX
(24-pin ATXPWR1)
(vea p.2, No. 8)



Conecte la fuente de alimentación ATX a su cabezal.

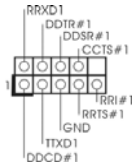
A pesar de que esta placa base incluye in conector de alimentación ATX de 24 pins, ésta puede funcionar incluso si utiliza una fuente de alimentación ATX de 20 pins tradicional. Para usar una fuente de alimentación ATX de 20 pins, por favor, conecte su fuente de alimentación usando los Pins 1 y 13.

Instalación de una Fuente de Alimentación ATX de 20 Pins

Conector de ATX 12V power
(4-pin ATX12V1)
(vea p.2, No. 2)

Tenga en cuenta que es necesario conectar este conector a una toma de corriente con el enchufe ATX 12V, de modo que proporcione suficiente electricidad. De lo contrario no se podrá encender.

Español

Cabezal del puerto COM (9-pin COM1) (vea p.2, No. 24)		Este cabezal del puerto COM se utiliza para admitir un módulo de puerto COM.

2. BIOS Información

El Flash Memory de la placa madre deposita SETUP Utility. Durante el Power-Up (POST) apriete <F2> para entrar en la BIOS. Sí usted no oprime ninguna tecla, el POST continúa con sus rutinas de prueba. Si usted desea entrar en la BIOS después del POST, por favor reinicie el sistema apretando <Ctl> + <Alt> + <Borrar>, o apretando el botón Reset en el panel del ordenador. El programa SETUP esta diseñado a ser lo mas fácil posible. Es un programa guiado al menu, es decir, puede enrollarse a sus varios sub-menues y elegir las opciones predeterminadas. Para información detallada sobre como configurar la BIOS, por favor refiérase al Manual del Usuario (archivo PDF) contenido en el CD.

3.Información de Software Support CD

Esta placa-base soporta diversos tipos de sistema operativo Windows®: XP / XP Media Center / XP 64 bits / Vista™ / Vista™ 64 bits El CD de instalación que acompaña la placa-base trae todos los drivers y programas utilitarios para instalar y configurar la placa-base. Para iniciar la instalación, ponga el CD en el lector de CD y se desplegará el Menú Principal automáticamente si «AUTORUN» está habilitado en su computadora. Si el Menú Principal no aparece automáticamente, localice y doble-pulse en el archivo ASSETUP.EXE para iniciar la instalación.

1. Introdução

Gratos por comprar nossa placa–mãe ***ALiveNF7G-GLAN***, um produto confiável feito com ASRock um estrito controle de qualidade consistente. Com um excelente desempenho, essa placa é dotada de um projeto robusto que atende a ASRock de compromisso com a qualidade e durabilidade.

Este Guia de Instalação Rápida apresenta a placa-mãe e o guia de instalação passo a passo. Mais informações detalhadas sobre a placa-mãe podem ser encontradas no manual do usuário do CD de suporte.

Porque as especificações da placa mãe e o software de BIOS poderiam ser atualizados, o conteúdo deste manual pode ser cambiado sem aviso. Em caso de qualquer modificação deste manual, a versão atualizada estará disponível no website de ASRock sem prévio aviso. Pode também encontrar as listas das mais recentes placas VGA e das CPUs suportadas no site da web da ASRock.

Website de ASRock http://www.asrock.com

Se precisar de apoio técnico em relação a este placa-mãe, por favor visite o nosso sítio da internet para informação específica acerca do modelo que está a utilizar. www.asrock.com/support/index.asp

1.1 Este pacote contém

Placa-mãe ASRock ***ALiveNF7G-GLAN***
(Formato Micro ATX: 9,6 pol. x 8,2 pol., 24,4 cm x 20,8 cm)
Guia de instalação rápida da ASRock ***ALiveNF7G-GLAN***
CD de suporte da placa ASRock ***ALiveNF7G-GLAN***
Um cabo-fita IDE Ultra ATA 66/100/133 de 80 condutores
Um cabo de dados ATA Serial (SATA) (Opcional)
Um cabo de alimentação da unidade de disco rígido ATA Serial (SATA) (Opcional)
Uma proteção I/O

1.2 Especificações

Plataforma	- Formato Micro ATX: 9,6 pol. x 8,2 pol., 24,4 cm x 20,8 cm
CPU	- Suporte para processadores Socket AM2+ / AM2: Processador AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dual-Core / Athlon X2 Dual-Core / Athlon 64 / Sempron - Suporte para processadores AM3: Processador AMD Phenom™ II X4 / X3 e Athlon II X4 / X3 / X2 - Pronto para AMD LIVE!™ - Suporta a tecnologia AMD Cool 'n' Quiet™ - FSB de 1000 MHz (2,0 GT/s) - Suporta a tecnologia Untied Overclocking (veja o **AVISO 1**) - Suporta a tecnologia Hyper-Transport
Chipsets	- NVIDIA® GeForce 7050 / nForce 630A MCP
Memória	- Suporte à tecnologia de memória de duplo canal (veja o **AVISO 2**) - 4 x slots de DDR2 DIMM - Suporte para memória não intermédia DDR2 1066/800/667/533, não ECC (veja o **AVISO 3**) - Capacidade máxima de memória do sistema: 16GB (veja o **AVISO 4**)
Slots de Expansão	- 1 x slot de PCI Express x16 - 1 x slot de PCI Express x1 - 2 x slots de PCI
VGA integrado	- Integrado NVIDIA® GeForce7 Series (NV44) - VGA DX9.0, Pixel Shader 3.0 - Memória partilhada máxima 256MB (veja o **AVISO 5**) - Duplo VGA Saída: suportar DVI-D e D-Sub portas pelos controladores independentes de display - Suportar HDCP função com DVI-D porta - Suportar 1080p Blu-ray (BD) / HD-DVD playback (veja o **AVISO 6**) - NVIDIA® PureVideo™ Ready
Áudio	- Áudio de alta definição de canal 5.1 através do Windows® Vista™ (Codec de áudio ALC662) - Chipset encravado HDMI Audição
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Realtek RTL8211CL - Suporta Wake-On-LAN
Entrada/Saída pelo painel traseiro	ASRock 6CH_DVI I/O - 1 x porta para mouse PS/2 - 1 x porta para teclado PS/2 - 1 x porta VGA/D-Sub

	- 1 x porta VGA/DVI-D (veja o **AVISO 7**) - 1 x porta paralela (com suporte ECP/EPP) - 4 x portas USB 2.0 padrão - 1 x porta LAN RJ-45 com LED (LED ACT/LIG e LED VELOCIDADE) - Áudio Jack: saída / entrada de linha / microfone + porta de jogos
Conectores	- 4 x conectores SATAII, suporte a taxa de transferência de dados de até 3,0 Gb/s, suporte RAID (RAID 0, RAID 1, RAID 0+1, RAID 5, JBOD), NCQ, AHCI e "conexão a quente" (veja o **AVISO 8**) - 1 x conectores ATA133 IDE (suporta até 2 dispositivos IDE) - 1 x porta para disquete - 1 x Conector do módulo de infravermelho - 1 x conector da porta COM - Conector do ventilador da CPU/chassis - Conector de força do ATX de 24 pinos - Conector ATX 12 V de 4 pinos - Conectores internos de áudio - Conector Áudio do painel frontal - 3 x cabezal USB 2.0 (suportar 6 portas USB 2.0 adicionais) (veja o **AVISO 9**)
BIOS	- 4Mb BIOS AMI - BIOS AMI - Suporta dispositivos "Plug and Play" - ACPI 1.1 atendendo a eventos de "wake up" - Suporta dispositivos sem jumper - Suporte para SMBIOS 2.3.1 - Suporte para Smart BIOS
CD de suporte	- Controladores, utilitários, software antivírus (Experimentacao Versao)
Funcionalidade Única	- Sintonizador ASRock OC (veja o **AVISO 10**) - Poupança de Energia Inteligente (veja o **AVISO 11**) - Instant Boot - Booster híbrido: - Frequência da CPU com controle contínuo (veja o **AVISO 12**) - ASRock U-COP (veja o **AVISO 13**) - B.F.G. (Boot Failure Guard) - ASRock AM2 Boost: Tecnologia patenteada da ASRock para melhorar o desempenho da memória

	até 12,5% (veja o **AVISO 14**)
Monitor do HW	- Sensores de temperature do procesador - Medição de temperatura da placa-mãe - Tacômetros de ventilador do Processador - Tacômetros de ventilador do chassis - Ventoinha silenciosa para a CPU - Monitoramento de voltagem : +12 V, +5 V, +3.3 V, Vcore
Sistema	- Microsoft® Windows® XP / Centro de multimedia XP / XP 64-bit / Vista™ / Vista™ 64-bit Operacional
Certificações	- FCC, CE, WHQL

* Para informações mais detalhadas por favor visite o nosso sítio Web: http://www.asrock.com

AVISO

Tenha em atenção que a operação de overclocking envolve alguns riscos, nomeadamente no que diz respeito ao ajuste das definições do BIOS, à aplicação da tecnologia Untied Overclocking ou à utilização de ferramentas de overclocking de terceiros. O overclocking pode afectar a estabilidade do seu sistema ou até mesmo causar danos ao nível dos componentes e dispositivos que integram o sistema. Esta operação é da total responsabilidade do utilizador. Não nos responsabilizamos pelos possíveis danos resultantes do overclocking.

AVISO!

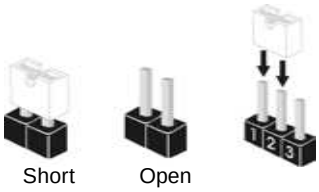
1. Esta placa principal suporta a tecnologia Untied Overclocking. Consulte a secção “Tecnologia Untied Overclocking” na página 25 para mais informações.
2. Esta placa-mãe suporta a tecnologia de memória de duplo canal. Antes de implementar a tecnologia de memória de duplo canal, certifique-se de ler o guia de instalação dos módulos de memória na página 12 para a instalação correta.
3. O suporte de uma memória com uma velocidade de 1066 MHz depende da CPU AMd2+ que adoptar. Se quiser adoptar um módulo de memória DDR2 1066 para utilização com esta placa principal, consulte a lista de memória suportada no nosso web site para saber quais os módulos de memória compatíveis.
   Web site da ASRock http://www.asrock.com
4. Devido às limitações do sistema operativo, o tamanho real da memória pode ser inferior a 4 GB uma vez que uma parte desta está reservada para utilização pelo sistema operativo no âmbito do Windows® XP e do Windows® Vista™. No caso da CPU de 64 bits do Windows® XP de 64 bits e do Windows® Vista™ de 64 bits, esta limitação não existe.
5. O máximo tamanho de memória compartilhada é definido por vendedor de chipset e é sujeito a mudar. Verifique o NVIDIA® website para a última informação.

6. 1080p Blu-ray (BD) / HD-DVD playback suporta nesta tábua maderna requer a configuração apropriada de hardware. Refera à página 9 e 10 para o mínima necessidade de hardware e passar 1080p Blu-ray (BD) / HD-DVD filmes no nosso teste de laboratório.
7. Esta DVI-D porta para o chipset adoptado nesta tábua maderna pode suportar DVI/HDCP e HDMI formato sinal. Você pode usar o DVI para HDMI adaptador para converter esta DVI-D porta para o interface de HDMI interface. DVI para HDMI adaptador não é embrulhado com nosso produto, refera ao vendedor de adaptador para a informação.
8. Antes de instalar o disco duro SATAII no conector SATAII, por favor leia o “Guia de Instalação do Disco duro SATAII” na página 28 do Manual do Usuário no CD de suporte, para definir a sua unidade de disco duro SATAII com o modo SATAII. Também pode ligar directamente o disco duro SATA ao conector SATAII.
9. Power Management para USB 2.0 funciona bem embaixo de Microsoft® Windows® Vista™ de 64 bits / Vista™ / XP de 64 bits / XP SP1; SP2.
10. É uma ferramenta de overclocking da ASRock fácil de utilizar que lhe permite vigiar i seu sistema via a função de monitorização de hardware e proceder ao overclock dos dispositivos de hardware para obter o melhor desempenho em ambiente Windows®. Por favor visite o nosso sítio Web para conhecer os procedimentos de funcionamento do Sintonizador ASRock OC.
    Sítio Web da ASRock: http://www.asrock.com
11. Com um hardware de propriedades e concepção de software avançadas, a Intelligent Energy Saver é uma tecnologia revolucionária que proporciona poupanças de energia inéditas. O regulador de voltagem pode reduzir o número de fases de saída para melhorar a eficiência quando os núcleos do CPU estão inactivos. Por outras palavras, pode providenciar uma excepcional poupança de energia e melhorar a eficiência energética sem sacrificar o desempenho. Para utilizar a função Poupança de Energia, por favor active a opção Cool ‘n’ Quiet na configuração da BIOS primeiro. Por favor visite o nosso sítio Web para conhecer os procedimentos de funcionamento da Poupança de Energia Inteligente. Sítio Web da ASRock: http://www.asrock.com
12. Apesar de esta placa-mãe oferecer controle continuamente variável, não se recomenda efetuar over-clock. Freqüências de barramento diferentes das recomendadas para a CPU podem provocar instabilidade do sistema ou danos à CPU.
13. Assim que se detecta um superaquecimento na CPU, o sistema se desliga automaticamente e o botão de energia do chassis fica inativo.Cheque o ventilador da CPU na placa–mãe, para verificar se está funcionando corretamente antes de religar o sistema. Para melhorar a dissipação de calor, lembre-se de aplicar o material de interface térmica entre o processador e o dissipador de calor.

14. Esta placa principal suporta a tecnologia de overclocking ASRock AM2 Boost. Se activar esta função na configuração do BIOS, o desempenho da memória sofrerá um melhoramento até 12,5%, no entanto tal dependerá da CPU AM2 que adoptar. A activação desta função irá fazer o overclocking do chipset/do relógio de referência da CPU. No entanto, não podemos garantir a estabilidade do sistema para todas as configurações CPU/DRAM. Se o seu sistema ficar instável após a activação da função AM2 Boost é porque esta tecnologia pode não se aplicar ao seu sistema. Para manter a estabilidade do sistema, pode desactivar esta função.

1.3 Configuração dos Jumpers

A ilustração mostra como os jumpers são configurados. Quando há uma capa de jumpers sobre os pinos, diz–se que o jumper está "curto". Não havendo capa sobre os pinos, o jumper está "aberto". A ilustração mostra um jumper de 3 pinos em que os pinos 1 e 2 están "curtos" quando a capa de jumper estiver colocada sobre esses 2 pinos.



Short Open

Jumper	Configuração
PS2_USB_PW1 (veja a folha 2, No. 1)	 Pin2, Pin3 curtos para habilitar +5VSB (stand by) para PS/2 ou eventos de wake up na USB.

Nota: Para escolher +5VSB, é preciso uma corrente de stand by de 2 A ou mais.

Restaurar CMOS
(CLRCMOS1, jumper de 3 pinos)
(veja a folha 2, No. 15)

Configuração-padrão Limpar o CMOS

Nota: CLRCMOS1 permite você limpar os dados em CMOS. Os dados em CMOS incluem informações da configuração do sistema como: por exemplo a senha do sistema, data, tempo, e os parámetros da configuração do sistema. Para limpar e reconfigurar os parámetros do sistema a configuração inicial da fábrica, por favor desligue o cabo de força, ponha em curto–circuito os pin 2 e pin 3 de CLRCMOS1 por mais de 5 segundos para limpar o CMOS usando um jumper. Por favor lembrese de remover o jumper depois de limpar o COMS. Se precisar limpar o CMOS ao concluir a atualização do BIOS, deverá reiniciar o sistema primeiro e, em seguida, desligá-lo antes de executar a ação de limpeza o CMOS.

1.4 Conectores

Os conectores NÃO SÃO jumpers. NÃO coloque capas de jumper sobre estes conectores. A colocação de pontos de jumper sobre os conectores causará danos irreversíveis à placa-mãe.

Conector	Figura	Descrição
Conector FDD (FLOPPY 1, 33 pinos) (veja a folha 2, No. 22)		

Nota: Certifique-se de que o lado com listras vermelhas no cabo seja conectado ao lado Pino 1 do conector.

Conector primário (azul)
(IDE1 de 39 pinos, veja a folha 2, No. 9)

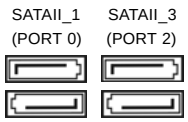
Ligue esta ponta (azul) à placa–mãe

Ligue esta ponta (preta) aos dispositivos IDE

Cabo ATA 66/100/133 de 80 condutores

Nota: Para detalhes, consulte as instruções do fornecedor do seu dispositivo IDE.

Conectores ATAII Serial
(SATAII_1 (PORT 0): veja a folha 2, No. 10)
(SATAII_2 (PORT 1): veja a folha 2, No. 13)
(SATAII_3 (PORT 2): veja a folha 2, No. 11)
(SATAII_4 (PORT 3): veja a folha 2, No. 12)

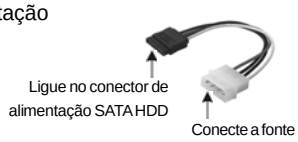
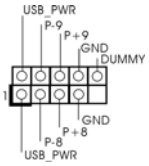
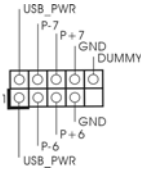
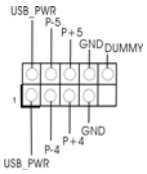
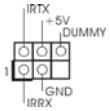
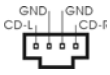
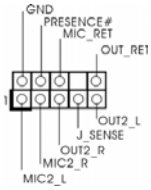


Estes quatro conectores Serial ATA (SATAII) suportam unidades de disco rígido SATA ou SATAII como dispositivos de armazenamento internos. A atual interface SATAII permite uma taxa de transferência de dados de até 3.0 Gb/s.

Cabo de dados ATA (SATA)
(opcional)

Tanto a saída do cabo de Serial dados SATA pode ser conectado ao disco rígido SATA / SATAII quanto o conector SATAII na placa mãe.

Português

Cabo de Alimentação ATA (SATA) (opcional)		Conecte a saída de cor preta do cabo de alimentação SATA ao conector de alimentação em cada acionador. Em seguida, conecte a saída branca do cabo de alimentação SATA ao conector de alimentação da fonte.
Cabezal USB 2.0 (USB8_9 de 9 pinos) (veja a folha 2, No. 16)		Além das quatro portas USB 2.0 por defeito no painel de entrada/saída, há tres ligações USB 2.0 nesta placa-mãe. Cada ligação USB 2.0 pode suportar duas portas USB 2.0.
(USB6_7 de 9 pinos) (veja a folha 2, No. 17)		
(USB4_5 de 9 pinos) (veja a folha 2, No. 18)		
Conector do módulo de infravermelho (IR1 de 5 pinos) (veja a folha 2, No. 23)		Este conector suporta um módulo de infravermelho para transmissão e recepção sem fio, opcional.
Conectores internos de áudio (CD1 de 4 pinos) (CD1: veja a floha 2, No. 25)	 CD1	Estes conectores permitem que se receba entrada de áudio em estéreo de fontes de áudio como CD-ROM, DVD-ROM, placa sintonizadora de TV ou placa MPEG.
Conector Áudio do painel frontal (HD_AUDIO1 de 9 pinos) (veja a folha 2, No. 26)		Esta é uma interface para o cabo de áudio no painel frontal, que permite uma conexão e controle convenientes dos dispositivos de áudio.

nectores Serial
portam unidades
SATA ou SATAII
os de armaze-
s. A atual inter-
mite uma taxa de
e dados de até

Português

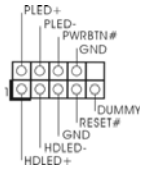
1. Áudio de elevada definição que suporta a sensibilidade da tomada, mas o fio do painel existente no chassis tem de suportar HDA para funcionar correctamente. Siga s instruções que aparecem no manual e no manual do chassis para instalar o sistema.
2. Se utilizar o painel de áudio AC'97, instale-o no cabeçalho de áudio do painel frontal, como a figura abaixo mostra:
   A. Ligue o Mic_IN (MIC) ao MIC2_L.
   B. Ligue o Audio_R (RIN) ao OUT2_R e o Audio_L (LIN) ao OUT2_L.
   C. Ligue o Ground (GND) ao Ground (GND).
   D. MIC_RET e OUT_RET são apenas para o painel de áudio HD. Não necessita de os ligar para o painel de áudio AC'97.
   E. Entre no utilitário de configuração do BIOS. Vá até à opção Definições avançadas e escolha Configuração do chipset. Defina a opção Controlo do painel frontal de [Automático] para [Activado].
   F. Entre no sistema Windows. Clique no ícone existente na barra de tarefas no canto inferior direito para aceder ao Realtek HD Audio Manager.
   Para Windows® XP / XP de 64 bits OS:
   Clique em "Entrada/Saída de áudio", seleccione "Definições do conector"  , escolha a opção "Desactivar detecção da tomada do painel frontal" e guarde a alteração clicando em "OK".
   Para Windows® Vista™ / Vista™ de 64 bits OS:
   Clique o direito-cima "Folder" icone  , escolhe "Deteção de valete de painel dianteiro" e guarda a mudança por clicar "OK".
   G. Para activar o microfone frontal
   Para Windows® XP / XP 64-bit OS:
   Queira seleccionar "Front Mic" (Microfone Frontal) como dispositivo de gravação predefinido.
   Se quer ouvir a sua voz através do microfone frontal, queira desmarcar o ícone "Mute" (Sem som) em "Front Mic" (Microfone Frontal) da parte "Playback" (Reprodução).
   Para Windows® Vista™ / Vista™ 64-bit OS:
   Vá ao separador "Front Mic" (Microfone Frontal) no painel de controlo Realtek. Clique em "Set Default Device" (Definir Dispositivo como Predefinido) para fazer com que o Microfone Frontal seja o dispositivo de gravação predefinido.

Português

Conector do sistema no painel

(PANEL1 de 9 pinos)

(veja a folha 2, No. 20)

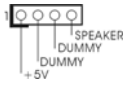


Este conector acomoda diversas funções de sistema no painel frontal.

Conector do alto-falante chassi

(SPEAKER1 de 4 pinos)

(veja a folha 2, No. 19)

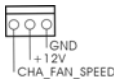


Ligue o alto-falante do chassi do neste conector.

Conector do ventilador do chassis

(CHA_FAN1 de 3 pinos)

(veja a folha 2, No. 21)

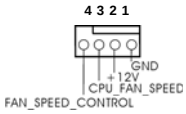


Ligue o cabo do ventilador neste conector, coincidindo o fio preto com o pino de aterramento.

Conector do ventilador da CPU

(CPU_FAN1 de 4 pinos)

(veja a folha 2, No. 5)



Ligue o cabo do ventilador da CPU, coincidindo o fio preto com o pino de aterramento.

Apesar de esta placa-mãe possuir 4 apoios para uma ventoinha de CPU (Ventoinha silenciosa), uma ventoinha de 3 pinos para CPU poderá funcionar mesmo sem a função de controlo de velocidade da ventoinha. Se pretender ligar uma ventoinha de 3 pinos para CPU ao conector de ventoinha do CPU nesta placa-mãe, por favor, ligue-a aos pinos 1-3.

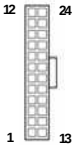
Pinos 1-3 ligados ←

Instalação de Ventoinha de 3 pinos

Conector de força do ATX

(ATXPWR1 de 24 pinos)

(veja a folha 2, No. 8)



Ligue a fonte de alimentação ATX neste conector.

Embora esta placa-mãe providencie um conector de energia ATX de 24 pinos, pode apesar disso funcionar com a adapta-ção de uma fonte de energia tradicional de 20 pinos. Para usar a fonte de alimentação de 29 pinos, por favor ligue a sua fonte de alimentação com o Pino 1 e o Pino 13.

Instalação da Fonte de alimentação ATX de 20 Pinos

Conector ATX 12 V

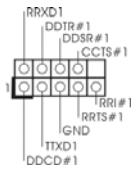
(ATX12V1 de 4 pinos)

(veja a folha 2, No. 2)

Note que é necessário ligar uma fonte de alimentação com conector ATX 12V neste conector para fornecer alimentação suficiente. Do contrário, haverá falhas de funcionamento.

Português

Conector da porta COM
(COM1 de 9 pinos)
(veja a folha 2, No. 24)



Este conector é usado para suportar um módulo de porta COM.

2. Informações da BIOS

A Memória Flash da placa–mãe armazena o utilitário de configuração da BIOS. Quando você ligar o computador, pressione < F2 > durante a inicialização (POST) para entrar nas configurações da BIOS; caso contrário o POST continua com suas rotinas de teste. Caso você queira entrar nas configurações da BIOS após o POST, reinicie o sistema pressionando <Ctrl> + <Alt> +<Del>, ou pressionando a tecla de reset no gabinete. Também se pode reinicializar desligando a máquina e ligando–a novamente. Para informações mais detalhadas sobre a configuração da BIOS, consulte o manual do usuário (em pdf) contido no CD de instalação.

3. Informações do CD de Suporte

Esta placa Mãe suporta vários sistemas operacionais: Microsoft® Windows®: XP / Centro de multimedia XP / XP de 64 bits / Vista™ / Vista™ de 64 bits. O CD de instalação que acompanha a placa Mãe contem: drivers e utilitários necessários para um melhor desempenho da placa Mãe. Para começar a usar o CD de instalação, introduza o CD na leitora de CD-ROM do computador. Automaticamente iniciará o menu principal, casa o "AUTORUN" esteja ativado. Se o menu principal não aparecer automaticamente, explore o CD e execute o "ASSETUP.EXE" localizado na pasta "BIN".