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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.

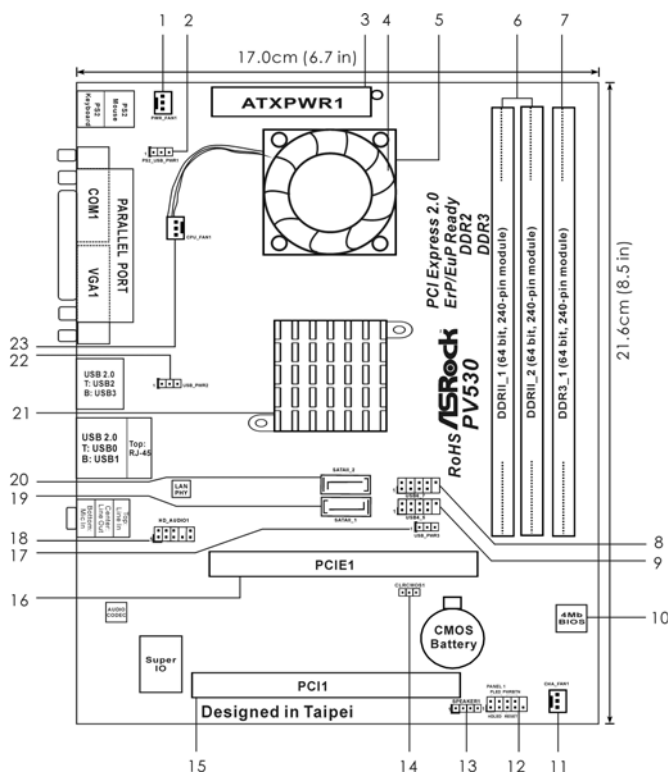
"Perchlorate Material-special handling may apply, see [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)"

**ASRock Website:** <http://www.asrock.com>

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English

## Motherboard Layout

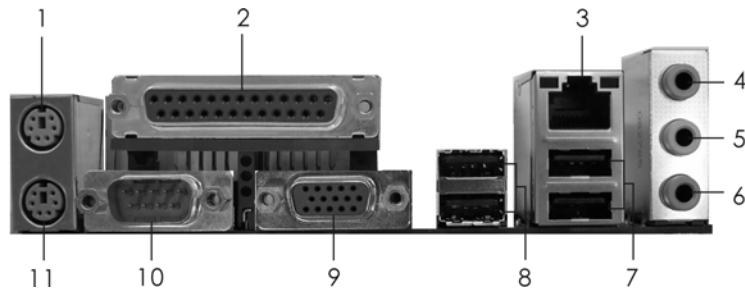


1	Power Fan Connector (PWR_FAN1)	13	Chassis Speaker Header (SPEAKER1, White)
2	PS2_USB_PWR1 Jumper	14	Clear CMOS Jumper (CLRCMOS1)
3	ATX Power Connector (ATXPWR1)	15	PCI Slot (PCI1)
4	CPU Fan	16	PCI Express 2.0 x16 Slot (PCIE1)
5	CPU Heatsink	17	USB_PWR3 Jumper
6	2 x 240-pin DDR2 DIMM Slots (DDR1_1, DDR1_2; Yellow)	18	Front Panel Audio Header (HD_AUDIO1, White)
7	1 x 240-pin DDR3 DIMM Slot (DDR3_1; Blue)	19	Primary SATAII Connector (SATA1_1; Blue)
8	USB 2.0 Header (USB6_7, Blue)	20	Secondary SATAII Connector (SATA1_2; Blue)
9	USB 2.0 Header (USB4_5, Blue)	21	VIA VX900 Chipset
10	BIOS SPI Chip	22	USB_PWR2 Jumper
11	Chassis Fan Connector (CHA_FAN1)	23	CPU Fan Connector (CPU_FAN1)
12	System Panel Header (PANEL1, White)		

English



## I/O Panel




- |                           |                                |
|---------------------------|--------------------------------|
| 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 Port                     |
| 4 Line In (Light Blue)    | 10 COM Port                    |
| 5 Line Out (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		SPEED LED	
Status	Description	Status	Description
Off	No Activity	Off	10Mbps connection
Blinking	Data Activity	Green	100Mbps connection




ACT/LINK LED    SPEED LED


LAN Port

To enable Multi-Streaming function, you need to connect a front panel audio cable to the front panel audio header. After restarting your computer, you will find "VIA HD Audio Deck" tool on your system. Please follow below instructions according to the OS you install.

#### For Windows® XP OS:

Please click "VIA HD Audio Deck" icon , and click "Speaker". Then you are allowed to select "2 Channel" or "4 Channel". Click "Power" to save your change.

#### For Windows® 7 / Vista™ OS:

Please click "VIA HD Audio Deck" icon , and click "Advanced Options" on the left side on the bottom. In "Advanced Options" screen, select "Independent Headphone", and click "OK" to save your change.

English



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## 1. Introduction

Thank you for purchasing ASRock **PV530** 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](http://www.asrock.com/support/index.asp)

### 1.1 Package Contents

ASRock **PV530** Motherboard

(Micro ATX Form Factor: 8.5-in x 6.7-in, 21.6 cm x 17.0 cm)

ASRock **PV530** Quick Installation Guide

ASRock **PV530** Support CD

Two Serial ATA (SATA) Data Cables (Optional)

One I/O Panel Shield

English



## 1.2 Specifications

<b>Platform</b>	<ul style="list-style-type: none"> <li>- Micro ATX Form Factor: 8.5-in x 6.7-in, 21.6 cm x 17.0 cm</li> <li>- Solid Capacitor for CPU power</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>- VIA® PV530 Processor (1.8 GHz)</li> <li>- Supports FSB800 MHz</li> <li>- Supports Untied Overclocking Technology (see <b>CAUTION 1</b>)</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>- VIA® VX900</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>- 1 x DDR3 DIMM slot</li> <li>- Supports DDR3 800 non-ECC, un-buffered memory</li> <li>- Max. capacity of system memory: 4GB (see <b>CAUTION 2</b>)</li> <li>- 2 x DDR2 DIMM slots</li> <li>- Supports DDR2 800/667/533 non-ECC, un-buffered memory</li> <li>- Max. capacity of system memory: 4GB (see <b>CAUTION 2</b>)</li> </ul>
<b>Expansion Slot</b>	<ul style="list-style-type: none"> <li>- 1 x PCI Express 2.0 x16 slot (blue @ x8 mode)</li> <li>- 1 x PCI slot</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>- VIA® Chrome9 HD DX9 Graphics</li> <li>- Pixel Shader 2.0, DirectX 9.0</li> <li>- Max. shared memory 512MB (see <b>CAUTION 3</b>)</li> <li>- Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>- Atheros® PCIEx1 LAN AR8132L</li> <li>- Speed: 10/100 Ethernet</li> <li>- Supports Wake-On-LAN</li> </ul>
<b>Rear Panel I/O</b>	<p>I/O Panel</p> <ul style="list-style-type: none"> <li>- 1 x PS/2 Mouse Port</li> <li>- 1 x PS/2 Keyboard Port</li> <li>- 1 x Parallel Port (ECP/EPP Support)</li> <li>- 1 x Serial Port: COM1</li> <li>- 1 x VGA Port</li> <li>- 4 x Ready-to-Use USB 2.0 Ports</li> <li>- 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)</li> <li>- HD Audio Jack: Line in / Front Speaker / Microphone</li> </ul>
<b>Connector</b>	<ul style="list-style-type: none"> <li>- 2 x SATAII 3.0 Gb/s connectors (see <b>CAUTION 4</b>)</li> <li>- CPU/Chassis/Power FAN connector</li> <li>- 24 pin ATX power connector</li> <li>- Front panel audio connector</li> <li>- 2 x USB 2.0 headers (support 4 USB 2.0 ports)</li> </ul>

English



<b>BIOS Feature</b>	<ul style="list-style-type: none"> <li>- 4Mb AMI BIOS</li> <li>- AMI Legal BIOS</li> <li>- Supports "Plug and Play"</li> <li>- ACPI 1.1 Compliance Wake Up Events</li> <li>- Supports jumperfree</li> <li>- AMBIOS 2.3.1 Support</li> </ul>
<b>Support CD</b>	<ul style="list-style-type: none"> <li>- Drivers, Utilities, AntiVirus Software (Trial Version), ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial)</li> </ul>
<b>Unique Feature</b>	<ul style="list-style-type: none"> <li>- ASRock OC Tuner (see <b>CAUTION 5</b>)</li> <li>- Instant Boot</li> <li>- ASRock Instant Flash (see <b>CAUTION 6</b>)</li> <li>- ASRock OC DNA (see <b>CAUTION 7</b>)</li> <li>- Hybrid Booster: <ul style="list-style-type: none"> <li>- CPU Frequency Stepless Control (see <b>CAUTION 8</b>)</li> <li>- ASRock U-COP (see <b>CAUTION 9</b>)</li> <li>- Boot Failure Guard (B.F.G.)</li> </ul> </li> </ul>
<b>Hardware Monitor</b>	<ul style="list-style-type: none"> <li>- CPU Temperature Sensing</li> <li>- Chassis Temperature Sensing</li> <li>- CPU/Chassis/Power Fan Tachometer</li> <li>- Voltage Monitoring: +12V, +5V, +3.3V, Vcore</li> </ul>
<b>OS</b>	<ul style="list-style-type: none"> <li>- Microsoft® Windows® 7 / Vista™/ XP compliant</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>- FCC, CE, WHQL</li> <li>- ErP/EuP Ready (ErP/EuP ready power supply is required) (see <b>CAUTION 10</b>)</li> </ul>

\* 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 15 for details.
2. Due to the chipset limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® OS.
3. The maximum shared memory size is defined by the chipset vendor and is subject to change. Please check VIA® website for the latest information.
4. Before installing SATAII hard disk to SATAII connector, please read the “SATAII Hard Disk Setup Guide” on page 18 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.
5. 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>
6. ASRock Instant Flash is a BIOS flash utility embedded in Flash ROM. This convenient BIOS update tool allows you to update system BIOS without entering operating systems first like MS-DOS or Windows®. With this utility, you can press <F6> key during the POST or press <F2> key to BIOS setup menu to access ASRock Instant Flash. Just launch this tool and save the new BIOS file to your USB flash drive, floppy disk or hard drive, then you can update your BIOS only in a few clicks without preparing an additional floppy diskette or other complicated flash utility. Please be noted that the USB flash drive or hard drive must use FAT32/16/12 file system.
7. The software name itself – OC DNA literally tells you what it is capable of. OC DNA, an exclusive utility developed by ASRock, provides a convenient way for the user to record the OC settings and share with others. It helps you to save your overclocking record under the operating system and simplifies the complicated recording process of overclocking settings. With OC DNA, you can save your OC settings as a profile and share with your friends! Your friends then can load the OC profile to their own system to get the same OC settings as yours! Please be noticed that the OC profile can only be shared and worked on the same motherboard.
8. 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.
9. 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.



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10. EuP, stands for Energy Using Product, was a provision regulated by European Union to define the power consumption for the completed system. According to EuP, the total AC power of the completed system shall be under 1.00W in off mode condition. To meet EuP standard, an EuP ready motherboard and an EuP ready power supply are required. According to Intel's suggestion, the EuP ready power supply must meet the standard of 5v standby power efficiency is higher than 50% under 100 mA current consumption. For EuP ready power supply selection, we recommend you checking with the power supply manufacturer for more details.

English





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## 2. Installation

**PV530** is a Micro ATX form factor (8.5" x 6.7", 21.6 x 17.0 cm) motherboard. Before you install the motherboard, study the configuration of your chassis to ensure that the motherboard fits into it.



Make sure to unplug the power cord before installing or removing the motherboard. Failure to do so may cause physical injuries to you and damages to motherboard components.

### 2.1 Screw Holes

Place screws into the holes indicated by circles to secure the motherboard to the chassis.



Do not over-tighten the screws! Doing so may damage the motherboard.

### 2.2 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.
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 antistatic pad or in the bag that comes with the component.



Before you install or remove any component, ensure that the power is switched off or the power cord is detached from the power supply. Failure to do so may cause severe damage to the motherboard, peripherals, and/or components.

## 2.3 Installation of Memory Modules (DIMM)

PV530 motherboard provides one 240-pin DDR3 (Double Data Rate 3) DIMM slot and two 240-pin DDR2 (Double Data Rate 2) DIMM slots.



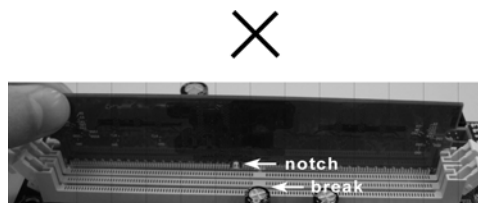
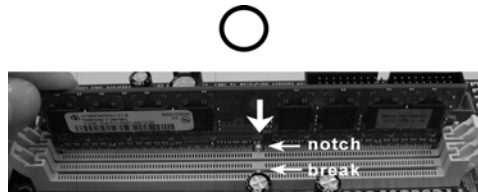
1. It is not allowed to install a DDR memory module into DDR2 slot or a DDR/DDR2 memory module into DDR3 slot; otherwise, this motherboard and DIMM may be damaged.
2. Please do not use the DDR2 slots and DDR3 slot at the same time. You can choose to install either DDR2 or DDR3 memory module.

### 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.



English



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.

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## 2.4 Expansion Slots (PCI and PCI Express Slots)

There are 1 PCI slot and 1 PCI Express slot on this motherboard.

**PCI Slot:** PCI slot is used to install expansion card that has the 32-bit PCI interface.

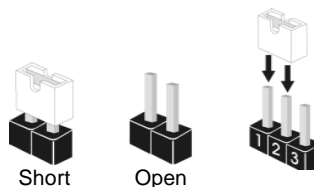
**PCIe Slot:** PCIe1 (PCIe x16 slot; Blue) is used for PCI Express x16 lane width graphics card.

### 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 system unit cover (if your motherboard is already installed in a chassis).
- Step 3. Remove the bracket facing the slot that you intend to use. Keep the screws for later use.
- Step 4. Align the card connector with the slot and press firmly until the card is completely seated on the slot.
- Step 5. Fasten the card to the chassis with screws.
- Step 6. Replace the system cover.

## 2.5 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.



Jumper	Setting	
PS2_USB_PWR1 (see p.2, No. 2)		Short pin2, pin3 to enable +5VSB (standby) for PS/2 or USB23 wake up events.

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

USB_PWR2 (see p.2, No. 22)		Short pin2, pin3 to enable +5V_DUAL for USB01 wake up events.
-------------------------------	--	---

Note: To select +5V\_DUAL, it requires 2 Amp and higher standby current provided by power supply. When you select +5V\_DUAL, USB devices can wake up the system under S3 (Suspend to RAM) state.

USB_PWR3 (see p.2, No. 17)		Short pin2, pin3 to enable +5VSB (standby) for USB4_5/6_7 wake up events.
-------------------------------	--	---

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

Clear CMOS Jumper (CLR CMOS1) (see p.2, No. 14)		
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Note: CLR CMOS1 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 CLR CMOS1 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.

## 2.6 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!

### Serial ATAII Connectors

(SATAII\_1: see p.2, No. 20)

(SATAII\_2: see p.2, No. 19)

SATAII\_2



SATAII\_1

These 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)

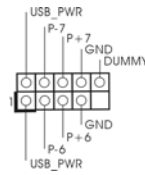


Either end of the SATA data cable can be connected to the SATA / SATAII hard disk or the SATAII connector on the motherboard.

### USB 2.0 Headers

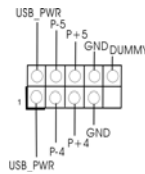
(9-pin USB6\_7)

(see p.2 No. 8)



(9-pin USB4\_5)

(see p.2 No. 9)

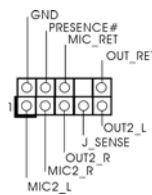


Besides four default USB 2.0 ports on the I/O panel, there are two USB 2.0 headers on this motherboard. Each USB 2.0 header can support two USB 2.0 ports.

### Front Panel Audio Header

(9-pin HD\_AUDIO1)

(see p.2 No. 18)



This is an interface for 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:

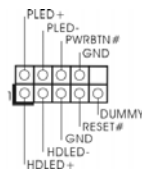
English



- 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).
- D. MIC\_RET and OUT\_RET are for HD audio panel only. You don't need to connect them for AC'97 audio panel.

**System Panel Header**

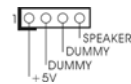
(9-pin PANEL1)  
(see p.2 No. 12)



This header accommodates several system front panel functions.

**Chassis Speaker Header**

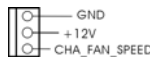
(4-pin SPEAKER 1)  
(see p.2 No. 13)



Please connect the chassis speaker to this header.

**Chassis and Power Fan Connectors**

(3-pin CHA\_FAN1)  
(see p.2 No. 11)



Please connect the fan cables to the fan connectors and match the black wire to the ground pin.

(3-pin PWR\_FAN1)  
(see p.2 No. 1)



**CPU Fan Connector**

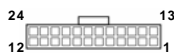
(3-pin CPU\_FAN1)  
(see p.2 No. 23)



Please connect a CPU fan cable to this connector and match the black wire to the ground pin.

**ATX Power Connector**

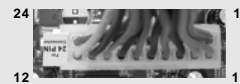
(24-pin ATXPWR1)  
(see p.2, No. 3)



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





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## 2.7 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.

## 2.8 Untied Overclocking Technology

This motherboard supports Untied Overclocking Technology, which means during overclocking, FSB enjoys better margin due to fixed PCI bus. 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 buse is in the fixed mode so that FSB can operate under a more stable overclocking environment.



Please refer to the warning on page 6 for the possible overclocking risk before you apply Untied Overclocking Technology.





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### **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: 7 / Vista™ / XP. 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 **PV530** 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 Handbuchs 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](http://www.asrock.com/support/index.asp)

### 1.1 Kartoninhalt

ASRock **PV530** Motherboard

(Micro ATX-Formfaktor: 21.6 cm x 17.0 cm; 8.5 Zoll x 6.7 Zoll)

ASRock **PV530** Schnellinstallationsanleitung

ASRock **PV530**\_ Support-CD

Zwei Seriell-ATA- (SATA) Datenkabel (Option)

Ein I/O Shield

Deutsch

## 1.2 Spezifikationen

<b>Plattform</b>	<ul style="list-style-type: none"> <li>- Micro ATX-Formfaktor: 21.6 cm x 17.0 cm; 8.5 Zoll x 6.7 Zoll</li> <li>- Festkondensator für CPU-Leistung</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>- VIA® PV530-Prozessor (1.8 GHz)</li> <li>- Unterstützt FSB800 MHz</li> <li>- Unterstützt Untied-Übertaktungstechnologie (siehe <b>VORSICHT 1</b>)</li> </ul>
<b>Chipsatz</b>	<ul style="list-style-type: none"> <li>- VIA® VX900</li> </ul>
<b>Speicher</b>	<ul style="list-style-type: none"> <li>- 1 x Steckplätze für DDR3</li> <li>- Unterstützt DDR3 800 non-ECC, ungepufferter Speicher</li> <li>- Max. Kapazität des Systemspeichers: 4GB (siehe <b>VORSICHT 2</b>)</li> <li>- 2 x Steckplätze für DDR2</li> <li>- Unterstützt DDR2 800/667/533 non-ECC, ungepufferter Speicher</li> <li>- Max. Kapazität des Systemspeichers: 4GB (siehe <b>VORSICHT 2</b>)</li> </ul>
<b>Erweiterungssteckplätze</b>	<ul style="list-style-type: none"> <li>- 1 x PCI Express 2.0 x16-Steckplätze (blau für x8-Modus)</li> <li>- 1 x PCI -Steckplätze</li> </ul>
<b>Onboard-VGA</b>	<ul style="list-style-type: none"> <li>- VIA® Chrome9 HD DX9-Grafikkarte</li> <li>- Pixel Shader 2.0, DX9.0 VGA</li> <li>- Maximal gemeinsam genutzter Speicher 512MB (siehe <b>VORSICHT 3</b>)</li> <li>- Unterstützt D-Sub mit einer maximalen Auflösung von 2048 x 1536 bei 75 Hz</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>- Atheros® PCIEx1 LAN AR8132L</li> <li>- Speed: 10/100 Ethernet</li> <li>- Unterstützt Wake-On-LAN</li> </ul>
<b>E/A-Anschlüsse an der Rückseite</b>	<p>I/O Panel</p> <ul style="list-style-type: none"> <li>- 1 x PS/2 Mouse Port</li> <li>- 1 x PS/2 Keyboard Port</li> <li>- 1 x Parallel Port (ECP/EPP Support)</li> <li>- 1 x Serieller port: COM 1</li> <li>- 1 x VGA Port</li> <li>- 4 x Ready-to-Use USB 2.0 Ports</li> <li>- 1 x RJ-45 LAN Port mit LED (ACT/LINK LED und SPEED LED)</li> <li>- Audioanschlüsse: Line In / Line Out / Mikrofon</li> </ul>
<b>Anschlüsse</b>	<ul style="list-style-type: none"> <li>- 2 x SATAII-Anschlüsse, unterstützt bis 3.0 Gb/s Datenübertragungsrate (siehe <b>VORSICHT 4</b>)</li> <li>- CPU/Gehäuse/Stromlüfter-Anschluss</li> </ul>

	<ul style="list-style-type: none"> <li>- 24-pin ATX-Netz-Header</li> <li>- Anschluss für Audio auf der Gehäusevorderseite</li> <li>- 2 x USB 2.0 Buchse (unterstützt 4 USB 2.0 Ports)</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>- 4Mb AMI BIOS</li> <li>- AMI legal BIOS mit Unterstützung für "Plug and Play"</li> <li>- ACPI 1.1-Weckfunktionen</li> <li>- JumperFree-Modus</li> <li>- SMBIOS 2.3.1</li> </ul>
<b>Support-CD</b>	<ul style="list-style-type: none"> <li>- Treiber, Dienstprogramme, Antivirussoftware (Probeversion), ASRock-Software-Suite (CyberLink DVD Suite und Creative Sound Blaster X-Fi MB) (OEM- und Testversion)</li> </ul>
<b>Einzigartige Eigenschaft</b>	<ul style="list-style-type: none"> <li>- ASRock OC Tuner (siehe <b>VORSICHT 5</b>)</li> <li>- Sofortstart</li> <li>- ASRock Instant Flash (siehe <b>VORSICHT 6</b>)</li> <li>- ASRock OC DNA (siehe <b>VORSICHT 7</b>)</li> <li>- Hybrid Booster: <ul style="list-style-type: none"> <li>- Schrittlöser CPU-Frequenz-Kontrolle (siehe <b>VORSICHT 8</b>)</li> <li>- ASRock U-COP (siehe <b>VORSICHT 9</b>)</li> <li>- Boot Failure Guard (B.F.G. – Systemstartfehlerschutz)</li> </ul> </li> </ul>
<b>Hardware Monitor</b>	<ul style="list-style-type: none"> <li>- Überwachung der CPU-Temperatur</li> <li>- Motherboardtemperaturerkennung</li> <li>- Drehzahlmessung für CPU/Gehäuse/Stromlüfter</li> <li>- Spannungsüberwachung: +12V, +5V, +3.3V, Vcore</li> </ul>
<b>Betriebssysteme Zertifizierungen</b>	<ul style="list-style-type: none"> <li>- Unterstützt Microsoft® Windows® 7 / Vista™ / XP</li> <li>- FCC, CE, WHQL</li> </ul>
	<ul style="list-style-type: none"> <li>- Gemäß Ökodesign-Richtlinie (ErP/EuP) (Stromversorgung gemäß Ökodesign-Richtlinie (ErP/EuP) erforderlich) (siehe <b>VORSICHT 10</b>)</li> </ul>

\* 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.

Deutsch



### **VORSICHT!**

1. Dieses Motherboard unterstützt die Untied-Übertaktungstechnologie. Unter "Entkoppelte Übertaktungstechnologie" auf Seite 15 finden Sie detaillierte Informationen.
2. Aufgrund von Chipset-Einschränkungen könnte unter Windows® OS die für das System reservierte Speichergröße unterhalb von 4 GB liegen.
3. Die Maximalspeichergröße ist von den Chipshändler definiert und umgetauscht. Bitte überprüfen Sie VIA® website für die neuliche Information.
4. Vor Installation der SATAII-Festplatte an den SATAII-Anschluss lesen Sie bitte "Setup-Anleitung für SATAII-Festplatte" auf Seite 18 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.
5. 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>
6. ASRock Instant Flash ist ein im Flash-ROM eingebettetes BIOS-Flash-Programm. Mithilfe dieses praktischen BIOS-Aktualisierungswerkzeugs können Sie das System-BIOS aktualisieren, ohne dafür zuerst Betriebssysteme wie MS-DOS oder Windows® aufrufen zu müssen. Mit diesem Programm bekommen Sie durch Drücken der <F6>-Taste während des POST-Vorgangs oder durch Drücken der <F2>-Taste im BIOS-Setup-Menü Zugang zu ASRock Instant Flash. Sie brauchen dieses Werkzeug einfach nur zu starten und die neue BIOS-Datei auf Ihrem USB-Flash-Laufwerk, Diskettenlaufwerk oder der Festplatte zu speichern, und schon können Sie Ihr BIOS mit nur wenigen Klickvorgängen ohne Bereitstellung einer zusätzlichen Diskette oder eines anderen komplizierten Flash-Programms aktualisieren. Achten Sie darauf, dass das USB-Flash-Laufwerk oder die Festplatte das Dateisystem FAT32/16/12 benutzen muss.



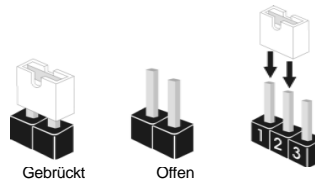
7. Allein der Name – OC DNA\* – beschreibt es wörtlich, was die Software zu leisten vermag. OC DNA ist ein von ASRock exklusiv entwickeltes Dienstprogramm, das Nutzern eine bequeme Möglichkeit bietet, Übertaktungseinstellungen aufzuzeichnen und sie Anderen mitzuteilen. Es hilft Ihnen, Ihre Übertaktungsaufzeichnung im Betriebssystem zu speichern und vereinfacht den komplizierten Aufzeichnungsvorgang von Übertaktungseinstellungen. Mit OC DNA können Sie Ihre Übertaktungseinstellungen als Profil abspeichern und Ihren Freunden zugänglich machen! Ihre Freunde können dann das Übertaktungsprofil auf ihren eigenen Systemen laden, um dieselben Übertaktungseinstellungen. Mit OC DNA können Sie Ihre Übertaktungseinstellungen als Profil abspeichern und Ihren Freunden zugänglich machen! Ihre Freunde können dann das Übertaktungsprofil auf ihren eigenen Systemen laden, um dieselben Übertaktungseinstellungen wie Sie zu erhalten! Beachten Sie bitte, dass das Übertaktungsprofil nur bei einem identischen Motherboard gemeinsam genutzt und funktionsfähig gemacht werden kann. Übertaktungseinstellungen wie Sie zu erhalten! Beachten Sie bitte, dass das Übertaktungsprofil nur bei einem identischen Motherboard gemeinsam genutzt und funktionsfähig gemacht werden kann.
8. 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.
9. 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.
10. EuP steht für Energy Using Product und kennzeichnet die Ökodesign-Richtlinie, die von der Europäischen Gemeinschaft zur Festlegung des Energieverbrauchs von vollständigen Systemen in Kraft gesetzt wurde. Gemäß dieser Ökodesign-Richtlinie (EuP) muss der gesamte Netzstromverbrauch von vollständigen Systemen unter 1,00 Watt liegen, wenn sie ausgeschaltet sind. Um dem EuP-Standard zu entsprechen, sind ein EuP-fähiges Motherboard und eine EuP-fähige Stromversorgung erforderlich. Gemäß einer Empfehlung von Intel muss eine EuP-fähige Stromversorgung dem Standard entsprechen, was bedeutet, dass bei einem Stromverbrauch von 100 mA die 5-Volt-Standby-Energieeffizienz höher als 50% sein sollte. Für die Wahl einer EuP-fähigen Stromversorgung empfehlen wir Ihnen, weitere Details beim Hersteller der Stromversorgung abzufragen.

Deutsch



### 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.



#### Jumper

#### Einstellung

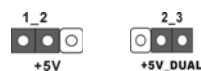
PS2\_USB\_PWR1  
(siehe S.2, No. 2)



Überbrücken Sie Pin2, Pin3, um +5VSB (Standby) zu setzen und die PS/2 oder USB23-Weckfunktionen zu aktivieren.

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

USB\_PWR2  
(siehe S.2, No. 22)



Überbrücken Sie Pin2, Pin3, um +5V\_DUAL zu setzen und die USB01-Weckfunktionen zu aktivieren.

Hinweis: Um +5V\_DUAL nutzen zu können, muss das Netzteil auf dieser Leitung 2A oder mehr leisten können. Wenn Sie +5V\_DUAL auswählen, können USB-Geräte das System aus dem S3-Zustand (Suspend to RAM) aufwecken.

USB\_PWR3  
(siehe S.2, No. 17)



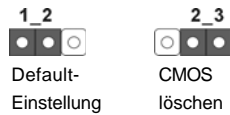
Überbrücken Sie Pin2, Pin3, um +5VSB (Standby) zu setzen und die USB4\_5/6\_7-Weckfunktionen zu aktivieren.

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

Deutsch



CMOS löschen  
(CLRCMOS1, 3-Pin jumper)  
(siehe S.2, No. 14)



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 Integrierte Header und Anschlüsse



Integrierte Header und Anschlüsse sind KEINE Jumper. Setzen Sie KEINE Jumperkappen auf diese Header und Anschlüsse. Wenn Sie Jumperkappen auf Header und Anschlüsse setzen, wird das Motherboard unreparierbar beschädigt!

Seriell-ATAII-Anschlüsse  
(SATAII\_1: siehe S.2, Punkt 20)  
(SATAII\_2: siehe S.2, Punkt 19)



Diese zwei 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)

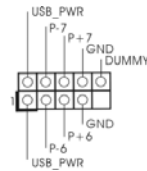


Sie können beide Enden des SATA-Datenkabels entweder mit der SATA / SATAII-Festplatte oder dem SATAII-Anschluss am Mainboard verbinden.

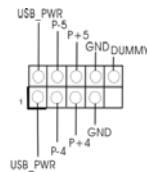
Deutsch

### USB 2.0-Header

(9-pol. USB6\_7)  
(siehe S.2 - No. 8)



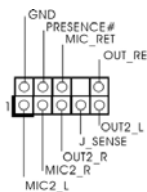
(9-pol. USB4\_5)  
(siehe S.2 - No. 9)



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

### Anschluss für Audio auf der Gehäusevorderseite

(9-Pin HD\_AUDIO1)  
(siehe S.2 - No. 18)



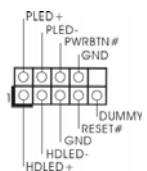
Dieses Interface zu einem Audio-Panel auf der Vorderseite Ihres Gehäuses, ermöglicht Ihnen eine bequeme Anschlussmöglichkeit und Kontrolle über Audio-Geräte.



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.

### System Panel-Header

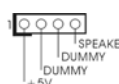
(9-pin PANEL1)  
(siehe S.2 - No. 12)



Dieser Header unterstützt mehrere Funktion der Systemvorderseite.

### Gehäuselautsprecher-Header

(4-pin SPEAKER1)  
(siehe S.2 - No. 13)



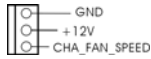
Schließen Sie den Gehäuselautsprecher an diesen Header an.



### Gehäuse- und Stromlüfteranschlüsse

(3-pin CHA\_FAN1)

(siehe S.2, No. 11)



(3-pin PWR\_FAN1)

(siehe S.2, No. 1)



Verbinden Sie die Lüfterkabel mit den Lüfteranschlüssen, wobei der schwarze Draht an den Schutzleiterstift angeschlossen wird.

### CPU-Lüfteranschluss

(3-pin CPU\_FAN1)

(siehe S.2 - No. 23)

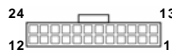


Verbinden Sie das CPU - Lüfterkabel mit diesem Anschluss und passen Sie den schwarzen Draht dem Erdungsstift an.

### ATX-Netz-Header

(24-pin ATXPWR1)

(siehe S.2 - No. 3)



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





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## **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 Reihe von Microsoft® Windows® Betriebssystemen: 7 / Vista™ / XP. 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 Willkommensbildschirm 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.



## 1. Introduction

Merci pour votre achat d'une carte mère ASRock **PV530**, 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 quelle 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](http://www.asrock.com/support/index.asp)

### 1.1 Contenu du paquet

Carte mère ASRock **PV530**

(Facteur de forme Micro ATX : 8.5 pouces x 6.7 pouces, 21.6 cm x 17.0 cm)

Guide d'installation rapide ASRock **PV530**

CD de soutien ASRock **PV530**

Deux câble de données Serial ATA (SATA) (en option)

Un écran I/O

## 1.2 Spécifications

<b>Format</b>	<ul style="list-style-type: none"> <li>- Facteur de forme Micro ATX : 8.5 pouces x 6.7 pouces, 21.6 cm x 17.0 cm</li> <li>- Condensateur résistant pour alimentation de processeur</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>- Processeur VIA® PV530 (1.8 GHz)</li> <li>- FSB800 MHz</li> <li>- Prend en charge la technologie Untied Overclocking (voir <b>ATTENTION 1</b>)</li> </ul>
<b>Chipsets</b>	<ul style="list-style-type: none"> <li>- VIA® VX900</li> </ul>
<b>Mémoire</b>	<ul style="list-style-type: none"> <li>- 1 x slot DIMM DDR3</li> <li>- Supporte DDR3 800 non-ECC, sans amortissement mémoire</li> <li>- Capacité maxi de mémoire système: 4GB (voir <b>ATTENTION 2</b>)</li> <li>- 2 x slots DIMM DDR2</li> <li>- Supporte DDR2 800/667/533 non-ECC, sans amortissement mémoire</li> <li>- Capacité maxi de mémoire système: 4GB (voir <b>ATTENTION 2</b>)</li> </ul>
<b>Slot d'extension</b>	<ul style="list-style-type: none"> <li>- 1 x slot PCI Express 2.0 x16 (bleu @ mode x8)</li> <li>- 1 x slot PCI</li> </ul>
<b>VGA sur carte</b>	<ul style="list-style-type: none"> <li>- Moteur graphique intégré VIA® Chrome9 HD DX9</li> <li>- nuanceur de pixels 2.0, VGA DX9.0</li> <li>- mémoire partagée max 512MB (voir <b>ATTENTION 3</b>)</li> <li>- Prend en charge le D-Sub avec une résolution maximale jusqu'à 2048x1536 @ 75Hz</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>- 5.1 Son haute définition de CH (codec audio VIA® VT1705)</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>- Atheros® PCIEx1 LAN AR8132L</li> <li>- Vitesse: 10/100 Ethernet</li> <li>- Support du Wake-On-LAN</li> </ul>
<b>Panneau arrière E/S</b>	<p>I/O Panel</p> <ul style="list-style-type: none"> <li>- 1 x port souris PS/2</li> <li>- 1 x port clavier PS/2</li> <li>- 1 x port parallèle: Support ECP/EPP</li> <li>- 1 x port série: COM 1</li> <li>- 1 x port VGA</li> <li>- 4 x ports USB 2.0 par défaut</li> <li>- 1 x port LAN RJ-45 avec LED (ACT/LED CLIGNOTANTE et LED VITESSE)</li> <li>- Jack audio: entrée ligne / sortie ligne / microphone</li> </ul>

<b>Connecteurs</b>	<ul style="list-style-type: none"> <li>- 2 x connecteurs SATAII, prennent en charge un taux de transfert de données pouvant aller jusqu'à 3.0Go/s (voir <b>ATTENTION 4</b>)</li> <li>- Connecteur pour ventilateur de CPU/Châssis/Ventilateur</li> <li>- br. 24 connecteur d'alimentation ATX</li> <li>- Connecteur audio panneau avant</li> <li>- 2 x en-tête USB 2.0 (accepte 4 ports USB 2.0)</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>- 4Mb BIOS AMI</li> <li>- BIOS AMI</li> <li>- Support du "Plug and Play"</li> <li>- Compatible pour événements de réveil ACPI 1.1</li> <li>- Gestion jumperless</li> <li>- Support SMBIOS 2.3.1</li> </ul>
<b>CD d'assistance</b>	<ul style="list-style-type: none"> <li>- Pilotes, utilitaires, logiciel anti-virus (Version d'essai), Suite logicielle ASRock (CyberLink DVD Suite et Creative Sound Blaster X-Fi MB) (Version OEM et d'essai)</li> </ul>
<b>Caractéristique unique</b>	<ul style="list-style-type: none"> <li>- Tuner ASRock OC (voir <b>ATTENTION 5</b>)</li> <li>- l'Instant Boot</li> <li>- ASRock Instant Flash (voir <b>ATTENTION 6</b>)</li> <li>- ASRock OC DNA (voir <b>ATTENTION 7</b>)</li> <li>- L'accélérateur hybride: <ul style="list-style-type: none"> <li>- Contrôle direct de la fréquence CPU (voir <b>ATTENTION 8</b>)</li> <li>- ASRock U-COP (voir <b>ATTENTION 9</b>)</li> <li>- Garde d'échec au démarrage (B.F.G.)</li> </ul> </li> </ul>
<b>Surveillance système</b>	<ul style="list-style-type: none"> <li>- Contrôle de la température CPU</li> <li>- Mesure de température de la carte mère</li> <li>- Tachéomètre ventilateur CPU/Châssis/Ventilateur</li> <li>- Monitoring de la tension: +12V, +5V, +3.3V, Vcore</li> </ul>
<b>OS</b>	<ul style="list-style-type: none"> <li>- Microsoft® Windows® 7 / Vista™ / XP</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>- FCC, CE, WHQL</li> <li>- Prêt pour ErP/EuP (alimentation Prêt pour ErP/EuP requise) (voir <b>ATTENTION 10</b>)</li> </ul>

\* 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.

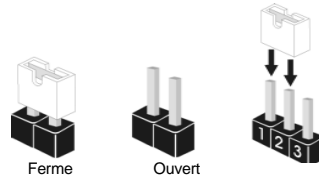
**ATTENTION!**

1. Cette carte mère prend en charge la technologie Untied Overclocking. Veuillez lire "La technologie de surcadencage à la volée" à la page 15 pour plus d'informations.
2. A cause des limites de la puce, la taille de la mémoire réservée pour le système peut être inférieure à 4 Go sous Windows® OS.
3. La dimension maximum du memoire partage est definie par le vendeur de jeu de puces et est sujet de changer. Veuillez verifier la VIA® website pour les informations recentes SVP.
4. Avant d'installer le disque dur SATAII au connecteur SATAII, veuillez lire le Guide « Installation du disque dur SATAII » à la page 18 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.
5. 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>
6. O ASRock Instant Flash é um utilitário de flash do BIOS incorporado na memória Flash ROM. Esta prática ferramenta de actualização do BIOS permite-lhe actualizar o BIOS do sistema sem necessitar de entrar nos sistemas operativos, como o MS-DOS ou o Windows®. Com este utilitário, poderá premir a tecla <F6> durante o teste de arranque POST ou premir a tecla <F2> para exhibir o menu de configuração do BIOS para aceder ao ASRock Instant Flash. Execute esta ferramenta para guardar o novo ficheiro de BIOS numa unidade flash USB, numa disquete ou num disco rígido, em seguida, poderá actualizar o BIOS com apenas alguns cliques sem ter de utilizar outra disquete ou outro complicado utilitário de flash. Note que a unidade flash USB ou a unidade de disco rígido devem utilizar o sistema de ficheiros FAT32/16/12.

7. Le nom même du logiciel – OC DNA vous indique littéralement ce dont il est capable. OC DNA, utilitaire exclusif développé par ASRock, offre une façon pratique pour l'utilisateur d'enregistrer les paramètres d'overclockage et de les partager avec d'autres. Il vous aide à enregistrer votre overclockage sous le système d'exploitation et simplifie le processus compliqué d'enregistrement des paramètres d'overclockage. Avec OC DNA, vous pouvez enregistrer vos réglages d'overclockage en tant que profil et les partager avec vos amis ! Vos amis peuvent alors charger le profil d'overclockage sur leur propre système pour obtenir les mêmes réglages d'overclockage que les vôtres ! Veuillez noter que le profil d'overclockage peut être partagé et utilisé uniquement sur la même carte mère.
8. Même si cette carte mère offre un contrôle sans souci, il n'est pas recommandé d'y appliquer un over clocking. Des fréquences de bus CPU autres que celles recommandées risquent de rendre le système instable ou d'endommager le CPU et la carte mère.
9. 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 et le dissipateur lors de l'installation du PC.
10. EuP, qui signifie Energy Using Product (Produit Utilisant de l'Energie), est une disposition établie par l'Union Européenne pour définir la consommation de courant pour le système entier. Conformément à la norme EuP, le courant CA total du système entier doit être inférieur à 1 W en mode d'arrêt. Pour être conforme à la norme EuP, une carte mère EuP et une alimentation EuP sont requises. Selon les suggestions d'Intel, l'alimentation électrique EuP doit correspondre à la norme, qui est que l'efficacité électrique de 5v en mode de veille doit être supérieure à 50% pour 100 mA de consommation de courant. Pour choisir une alimentation électrique conforme à la norme EuP, nous vous recommandons de consulter votre fournisseur de courant pour plus de détails.

### 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.



Le cavalier	Description
<b>PS2_USB_PWR1</b> (voir p.2 fig. 2)	<p>Court-circuitez les broches 2 et 3 pour choisir +5VSB (standby) et permettre aux périphériques PS/2 ou USB23 de réveiller le système.</p>
<b>USB_PWR2</b> (voir p.2 fig. 22)	<p>Court-circuitez les broches 2 et 3 pour choisir +5V_DUAL et permettre aux périphériques USB01 de réveiller le système.</p>
<b>USB_PWR3</b> (voir p.2 fig. 17)	<p>Court-circuitez les broches 2 et 3 pour choisir +5VSB (standby) et permettre aux périphériques USB4_5/6_7 de réveiller le système.</p>



Effacer la CMOS  
(CLR CMOS1)  
(voir p.2 fig. 14)



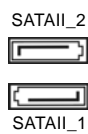
Note: CLR CMOS1 vous permet d'effacer les données qui se trouvent dans la CMOS. Les données dans la CMOS comprennent les informations de configuration du système telles que le mot de passe système, la date, l'heure et les paramètres de configuration du système. Pour effacer et réinitialiser les paramètres 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 CLR CMOS1 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 En-têtes et Connecteurs sur Carte



Les en-têtes et connecteurs sur carte NE SONT PAS des cavaliers. NE PAS placer les capuchons de cavalier sur ces en-têtes et connecteurs. Le fait de placer les capuchons de cavalier sur les en-têtes et connecteurs causera à la carte mère des dommages irréversibles!

Connecteurs Série ATAII  
(SATAII\_1: voir p.2 fig. 20)  
(SATAII\_2: voir p.2 fig. 19)



Ces deux 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.

Français

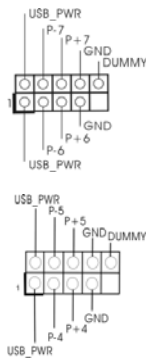
**Câble de données Série ATA (SATA)**  
(en option)



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

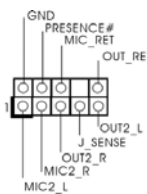
**En-tête USB 2.0**  
(USB6\_7 br.9)  
(voir p.2 No. 8)

(USB4\_5 br.9)  
(voir p.2 No. 9)



A côté des quatre ports USB 2.0 par défaut sur le panneau E/S, il y a deux embases USB 2.0 sur cette carte mère. Chaque embase USB 2.0 peut prendre en charge 2 ports USB 2.0.

**Connecteur audio panneau avant**  
(HD\_AUDIO1 br. 9)  
(voir p.2 No. 18)

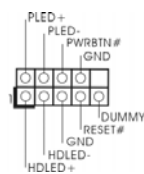


C'est une interface pour un câble audio en façade qui permet le branchement et le contrôle commodes de périphériques audio.



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 d'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.

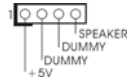
**En-tête du panneau système**  
(9-pin PANEL1)  
(voir p.2 No. 12)



Cet en-tête permet d'utiliser plusieurs fonctions du panneau système frontal.

**En-tête du haut-parleur de châssis**

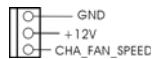
(SPEAKER1 br. 4)  
(voir p.2 No. 13)



Veillez connecter le haut-parleur de châssis sur cet en-tête.

**Connecteur pour châssis et ventilateur**

(CHA\_FAN1 br. 3)  
(voir p.2 No. 11)



Branchez les câbles du ventilateur aux connecteurs pour ventilateur et faites correspondre le fil noir à la broche de terre.

(PWR\_FAN1 br. 3)  
(voir p.2 No. 1)



**Connecteur du ventilateur de l'UC**

(CPU\_FAN1 br. 3)  
(voir p.2 No. 23)



Veillez connecter le câble de ventilateur d'UC sur ce connecteur et brancher le fil

**En-tête d'alimentation ATX**

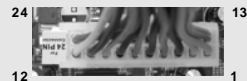
(ATXPWR1 br. 24)  
(voir p.2 No. 3)



Veillez connecter l'unité d'alimentation ATX sur cet en-tête.



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



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## **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®: 7 / Vista™ / XP. 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 **PV530**, 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](http://www.asrock.com/support/index.asp)

### 1.1 Contenuto della confezione

Scheda madre ASRock **PV530**

(Micro ATX Form Factor: 8.5-in x 6.7-in, 21.6 cm x 17.0 cm)

Guida di installazione rapida ASRock **PV530**

CD di supporto ASRock **PV530**

Due cavo dati Serial ATA (SATA) (Opzionale)

Un I/O Shield

Italiano

## 1.2 Specifiche

<b>Piattaforma</b>	- Micro ATX Form Factor: 8.5-in x 6.7-in, 21.6 cm x 17.0 cm - Condensatore solido per alimentazione CPU
<b>Processore</b>	- Processore VIA® PV530 (1.8 GHz) - FSB800 MHz - Supporta la tecnologia overclocking "slegata" (vedi <b>ATTENZIONE 1</b> )
<b>Chipset</b>	- VIA® VX900
<b>Memoria</b>	- 1 x slot DDR3 DIMM - Supporto DDR3 800 non-ECC, memoria senza buffer - Capacità massima della memoria di sistema: 4GB (vedi <b>ATTENZIONE 2</b> ) - 2 x slot DDR2 DIMM - Supporto DDR2 800/667/533 non-ECC, memoria senza buffer - Capacità massima della memoria di sistema: 4GB (vedi <b>ATTENZIONE 2</b> )
<b>Slot di espansione</b>	- 1 x slot PCI Express 2.0 x16 (blu a modalità x8) - 1 x slot PCI
<b>VGA su scheda</b>	- VIA® Chrome9 HDDX9 Graphics - Pixel Shader 2.0, VGA DX9.0 - Memoria massima condivisa 512MB (vedi <b>ATTENZIONE 3</b> ) - Supporta D-Sub con risoluzione massima fino a 2048x1536 @ 75Hz
<b>Audio</b>	- 5.1 Audio HD CH (VIA® VT1705 Audio Codec)
<b>LAN</b>	- Atheros® PCIe x1 LAN AR8132L - Velocità: 10/100 Ethernet - Supporta Wake-On-LAN
<b>Pannello posteriore I/O</b>	I/O Panel - 1 x porta PS/2 per mouse - 1 x porta PS/2 per tastiera - 1 x Porta parallela: supporto ECP/EPP - 1 x Porta COM - 1 x Porta VGA - 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

<b>Connettori</b>	<ul style="list-style-type: none"> <li>- 2 x connettori SATAII 3.0Go/s (vedi <b>ATTENZIONE 4</b>)</li> <li>- Connettore CPU/Chassis/Alimentazione ventola</li> <li>- 24-pin collettore alimentazione ATX</li> <li>- Connettore audio sul pannello frontale</li> <li>- 2 x header USB 2.0 (supporta 4 porte USB 2.0)</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>- 4Mb AMI BIOS</li> <li>- Supporto AMI legal BIOS</li> <li>- Supporta "Plug and Play"</li> <li>- Compatibile con ACPI 1.1 wake up events</li> <li>- Supporta jumperfree</li> <li>- Supporta SMBIOS 2.3.1</li> </ul>
<b>CD di supporto</b>	<ul style="list-style-type: none"> <li>- Driver, utilità, software antivirus (Versione dimostrativa), Suite software ASRock (Suite CyberLink DVD e Creative Sound Blaster X-Fi MB) (OEM e Versione demo)</li> </ul>
<b>Caratteristica speciale</b>	<ul style="list-style-type: none"> <li>- Sintonizzatore ASRock OC (vedi <b>ATTENZIONE 5</b>)</li> <li>- Instant Boot</li> <li>- ASRock Instant Flash (vedi <b>ATTENZIONE 6</b>)</li> <li>- ASRock OC DNA (vedi <b>ATTENZIONE 7</b>)</li> <li>- Booster ibrido: <ul style="list-style-type: none"> <li>- Stepless control per frequenza del processore (vedi <b>ATTENZIONE 8</b>)</li> <li>- ASRock U-COP (vedi <b>ATTENZIONE 9</b>)</li> <li>- Boot Failure Guard (B.F.G.)</li> </ul> </li> </ul>
<b>Monitoraggio Hardware</b>	<ul style="list-style-type: none"> <li>- Sensore per la temperatura del processore</li> <li>- Sensore temperatura scheda madre</li> <li>- Indicatore di velocità per la ventola del CPU/Chassis/Alimentazione</li> <li>- Voltaggio: +12V, +5V, +3.3V, Vcore</li> </ul>
<b>Compatibilità SO</b>	<ul style="list-style-type: none"> <li>- Microsoft® Windows® 7 / Vista™ / XP</li> </ul>
<b>Certificazioni</b>	<ul style="list-style-type: none"> <li>- FCC, CE, WHQL</li> <li>- Predisposto ErP/EuP (è necessaria l'alimentazione predisposta per il sistema ErP/EuP) (vedi <b>ATTENZIONE 10</b>)</li> </ul>

\* Per ulteriori informazioni, prega visitare il nostro sito internet: <http://www.asrock.com>

Italiano

**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!**

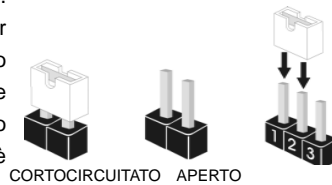
1. Questa scheda madre supporta la tecnologia overclocking "slegata". Per i dettagli leggere "Tecnologia di Untied Overclocking" a pagina 15.
2. A causa delle limitazioni del chipset, le dimensioni effettive della memoria possono essere inferiori a 4GB per l'accantonamento riservato all'uso del sistema sotto Windows® OS.
3. La dimensione massima della memoria condivisa viene stabilita dal venditore del chipset ed è soggetta a modificazioni. Prego fare riferimento al sito internet VIA® per le ultime informazioni.
4. Prima di installare il disco rigido SATAII con il connettore SATAII, leggere la "Guida per la configurazione del disco rigido SATAII" a pagina 18 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.
5. Si tratta di uno strumento di sincronizzazione ASRock di facile uso in grado di implementare il controllo del sistema tramite la funzione di hardware monitor e sincronizzare le Vostre unità 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>
6. ASRock Instant Flash è una utilità Flash BIOS integrata nella Flash ROM. Questo comodo strumento d'aggiornamento del BIOS permette di aggiornare il sistema BIOS senza accedere a sistemi operativi come MS-DOS or Windows®. Con questa utilità, si può premere il tasto <F6> durante il POST, oppure il tasto <F2> nel menu BIOS per accedere ad ASRock Instant Flash. Avviare questo strumento e salvare il nuovo file BIOS nell'unità Flash USB, dischetto (disco floppy) o disco rigido; poi si può aggiornare il BIOS con pochi clic, senza preparare altri dischetti (dischi floppy) o altre complicate utilità Flash. Si prega di notare che l'unità Flash USB o il disco rigido devono usare il File System FAT32/16/12.



7. Il nome stesso del software – OC DNA – dice di cosa è capace. OC DNA, una utilità esclusiva sviluppata da ASRock, fornisce un modo comodo per registrare le impostazioni OC e condividerle con gli altri. Aiuta a salvare le registrazioni di overclocking nel sistema operativo e semplifica la complicata procedura di registrazione delle impostazioni di overclocking. Con OC DNA, puoi salvare le impostazioni OC come un profilo da condividere con gli amici! I tuoi amici possono scaricare il profilo OC sul loro sistema operativo per ottenere le tue stesse impostazioni OC! Si prega di notare che il profilo OC può essere condiviso e modificato solo sulla stessa scheda madre.
8. Anche se questa motherboard offre il controllo stepless, non si consiglia di effettuare l'overclocking. Frequenze del bus del processore diverse da quelle raccomandate possono causare instabilità al sistema o danni al processore e alla scheda madre.
9. 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.
10. EuP, che sta per Energy Using Product (Prodotto che consuma energia), era una normativa emanata dall'Unione Europea che definiva il consumo energetico del sistema completo. In base all'EuP, l'alimentazione totale del sistema completo deve essere inferiore a 1,00 W quando è spento. Per soddisfare la norma EuP sono necessari un alimentatore e una scheda elettrica predisposti EuP. In base ai suggerimenti Intel l'alimentatore predisposto EuP deve soddisfare lo standard secondo cui l'efficienza energetica in standby di 5 v è più alta del 50% con un consumo di corrente di 100 mA. Per la scelta di un'alimentatore predisposto EuP consigliamo di verificare ulteriori dettagli con il produttore.

### 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.



Jumper	Settaggio del Jumper	
--------	----------------------	--

PS2_USB_PWR1 (vedi p.2 item 2)		Cortocircuitare pin2, pin3 per settare a +5VSB (standby) e abilitare PS/2 o USB23 wake up events.
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Nota: Per selezionare +5VSB, si richiedono almeno 2 Ampere e il consumo di corrente in standby sarà maggiore.

USB_PWR2 (vedi p.2 item 22)		Cortocircuitare pin2, pin3 per settare a +5V_DUAL e abilitare USB01 wake up events.
--------------------------------	--	---

Nota: Per selezionare +5V\_DUAL, si richiedono almeno 2 Ampere e il consumo di corrente in standby sarà maggiore. Quando si seleziona +5V\_DUAL, i dispositivi USB possono riattivare il sistema dallo stato S3 (Suspend to RAM).

USB_PWR3 (vedi p.2 item 17)		Cortocircuitare pin2, pin3 per settare a +5VSB (standby) e abilitare USB4_5/6_7 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 14)		
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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 Collettori e Connettori su Scheda



I collettori ed i connettori su scheda NON sono dei jumper. NON installare cappucci per jumper su questi collettori e connettori. L'installazione di cappucci per jumper su questi collettori e connettori provocherà danni permanenti alla scheda madre!

### Connettori Serial ATAII

(SATAII\_1: vedi p.2Nr. 20)

(SATAII\_2: vedi p.2Nr. 19)

SATAII\_2



SATAII\_1

Questi due connettori Serial ATA (SATAII) supportano le periferiche di archiviazione HD SATA o SATAII per le funzioni di archiviazione interna. ATAI (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)

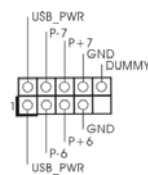


Entrambe le estremità del cavo dati SATA possono collegarsi all'hard disk SATA / SATAII o al connettore SATAII sulla scheda madre.

### Collettore USB 2.0

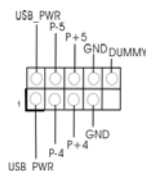
(9-pin USB6\_7)

(vedi p.2 No. 8)



(9-pin USB4\_5)

(vedi p.2 No. 9)



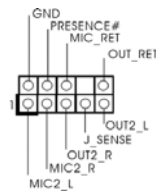
Oltre alle quattro porte USB 2.0 predefinite nel pannello I/O, la scheda madre dispone di due intestazioni USB 2.0. Ciascuna intestazione USB 2.0 supporta due porte USB 2.0.

Italiano



### Connettore audio sul pannello frontale

(9-pin HD\_AUDIO1)  
(vedi p.2 Nr. 18)



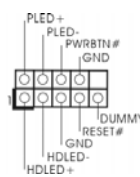
È un'interfaccia per il cavo del pannello audio. Che consente connessione facile e controllo dei dispositivi audio.



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.

### Collettore pannello di sistema

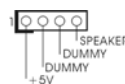
(9-pin PANEL1)  
(vedi p.2 Nr. 12)



Questo collettore accomoda diverse funzioni di sistema pannello frontale.

### Collettore casse telaio

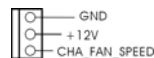
(4-pin SPEAKER1)  
(vedi p.2 Nr. 13)



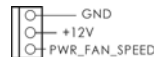
Collegare le casse del telaio a questo collettore.

### Collettori Chassis ed alimentazione ventola

(3-pin CHA\_FAN1)  
(vedi p.2 Nr. 11)



(3-pin PWR\_FAN1)  
(vedi p.2 Nr. 1)



Collegare i cavi della ventola ai corrispondenti connettori facendo combaciare il cavo nero col pin di terra.

### Connettore ventolina CPU

(3-pin CPU\_FAN1)  
(vedi p.2 Nr. 23)

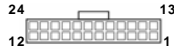


Collegare il cavo della ventolina CPU a questo connettore e far combaciare il filo nero al pin terra.

Italiano



Connettore alimentazione ATX  
(24-pin ATXPWR1)  
(vedi p.2 Nr. 3)

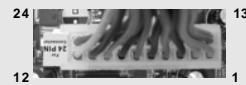


Collegare la sorgente  
d'alimentazione ATX a questo  
connettore.



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



Italiano



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## ***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. 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®: 7 / Vista™ / XP. 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 **PV530** 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, la 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](http://www.asrock.com/support/index.asp)

### 1.1 Contenido de la caja

Placa base ASRock **PV530**

(Factor forma Micro ATX: 21,6 cm x 17,0 cm, 8,5" x 6,7")

Guía de instalación rápida de ASRock **PV530**

CD de soporte de ASRock **PV530**

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

Una protección I/O

## 1.2 Especificación

<b>Plataforma</b>	<ul style="list-style-type: none"> <li>- Factor forma Micro ATX: 21,6 cm x 17,0 cm, 8,5" x 6,7"</li> <li>- Condensador sólido para alimentación de CPU</li> </ul>
<b>Procesador</b>	<ul style="list-style-type: none"> <li>- Procesador VIA® PV530 (1.8 GHz)</li> <li>- FSB800 MHz</li> <li>- Admite tecnología de aumento de velocidad liberada (vea <b>ATENCIÓN 1</b>)</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>- VIA® VX900</li> </ul>
<b>Memoria</b>	<ul style="list-style-type: none"> <li>- 1 x DDR3 DIMM slots</li> <li>- Soporta DDR3 800 non-ECC, memoria de un-buffered</li> <li>- Máxima capacidad de la memoria del sistema: 4GB (vea <b>ATENCIÓN 2</b>)</li> <li>- 2 x DDR2 DIMM slots</li> <li>- Soporta DDR2 800/677/533 non-ECC, memoria de un-buffered</li> <li>- Máxima capacidad de la memoria del sistema: 4GB (vea <b>ATENCIÓN 2</b>)</li> </ul>
<b>Ranuras de Expansión</b>	<ul style="list-style-type: none"> <li>- 1 x ranuras PCI Express 2.0 x16 (azul @ modo x8)</li> <li>- 1 x ranuras PCI</li> </ul>
<b>VGA OnBoard</b>	<ul style="list-style-type: none"> <li>- Tarjeta gráfica integrada VIA® Chrome9 HD DX9</li> <li>- Sombreador de Píxeles 2.0, VGA DX9.0</li> <li>- 512MB de Memoria máxima compartida (vea <b>ATENCIÓN 3</b>)</li> <li>- Admite D-Sub con una resolución máxima de 2048x1536 a 75 Hz</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>- Sonido HD de 5.1 Canales (Código de sonido VIA® VT1705)</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>- Atheros® PCIEx1 LAN AR8132L</li> <li>- Velocidad: 10/100 Ethernet</li> <li>- Soporta Wake-On-LAN</li> </ul>
<b>Entrada/Salida de Panel Trasero</b>	<p>I/O Panel</p> <ul style="list-style-type: none"> <li>- 1 x puerto de ratón PS/2</li> <li>- 1 x puerto de teclado PS/2</li> <li>- 1 x Puerto paralelo: soporta ECP/EPP</li> <li>- 1 x puerto serial: COM1</li> <li>- 1 x Puerto VGA</li> <li>- 4 x puertos USB 2.0 predeterminados</li> <li>- 1 x Puerto LAN RJ-45 con LED (LED de ACCIÓN/ENLACE y LED de VELOCIDAD)</li> <li>- Audio Jack: Line In / Line Out / Micrófono</li> </ul>
<b>Conectores</b>	<ul style="list-style-type: none"> <li>- 2 x conexiones SATAII, admiten una velocidad de transferencia de datos de hasta 3,0Gb/s (vea <b>ATENCIÓN 4</b>)</li> <li>- Conector de ventilador de CPU / chasis / alimentación</li> <li>- 24-pin cabezal de alimentación ATX</li> </ul>



	<ul style="list-style-type: none"> <li>- Conector de audio de panel frontal</li> <li>- 2 x Conector USB 2.0 (compatible con 4 puertos USB 2.0)</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>- 4Mb AMI BIOS</li> <li>- AMI legal BIOS</li> <li>- Soporta "Plug and Play"</li> <li>- ACPI 1.1 compliance wake up events</li> <li>- Soporta "jumper free setup"</li> <li>- Soporta SMBIOS 2.3.1</li> </ul>
<b>CD de soport</b>	<ul style="list-style-type: none"> <li>- Controladores, Utilerías, Software de Anti Virus (Versión de prueba), conjunto de aplicaciones ASRock (CyberLink DVD Suite y Creative Sound Blaster X-Fi MB) (OEM y versión de prueba)</li> </ul>
<b>Característica Única</b>	<ul style="list-style-type: none"> <li>- Sintonizador de ASRock OC (vea <b>ATENCIÓN 5</b>)</li> <li>- Instant Boot</li> <li>- ASRock Instant Flash (vea <b>ATENCIÓN 6</b>)</li> <li>- ASRock OC DNA (vea <b>ATENCIÓN 7</b>)</li> <li>- Amplificador Híbrido: <ul style="list-style-type: none"> <li>- Stepless control de frecuencia de CPU (vea <b>ATENCIÓN 8</b>)</li> <li>- ASRock U-COP (vea <b>ATENCIÓN 9</b>)</li> <li>- Protección de Falla de Inicio (B.F.G..)</li> </ul> </li> </ul>
<b>Monitor Hardware</b>	<ul style="list-style-type: none"> <li>- Sensibilidad a la temperatura del procesador</li> <li>- Sensibilidad a la temperatura de la placa madre</li> <li>- Taquímetros de los ventiladores del procesador y del CPU / chasis / alimentacion</li> <li>- Monitor de Voltaje: +12V, +5V, +3.3V, Vcore</li> </ul>
<b>OS</b>	<ul style="list-style-type: none"> <li>- En conformidad con Microsoft® Windows® 7 / Vista™ / XP</li> </ul>
<b>Certificaciones</b>	<ul style="list-style-type: none"> <li>- FCC, CE, WHQL</li> <li>- Cumple con la directiva ErP/EuP (se requiere una fuente de alimentación que cumpla con la directiva ErP/EuP) (vea <b>ATENCIÓN 10</b>)</li> </ul>

\* Para más información sobre los productos, por favor visite nuestro sitio web:

<http://www.asrock.com>

**Español**

**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 !**

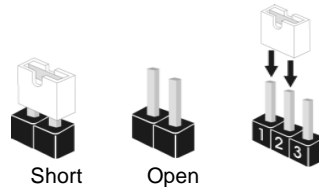
1. Esta placa base admite la tecnología de aumento de velocidad liberada. Por favor lea "Tecnología de Forzado de Reloj (Overclocking) no relacionado" en la página 15 para obtener detalles.
2. Debido a las limitaciones del conjunto de chips, el tamaño de memoria real debe ser inferior a 4GB para utilizar Windows® OS.
3. 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 VIA® para la información más última.
4. Antes de instalar un disco duro SATAII en el conector SATAII, consulte la sección "Guía de instalación de discos duros SATAII" en la página 18 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.
5. 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>
6. ASRock Instant Flash es una utilidad de programación del BIOS que se encuentra almacenada en la memoria Flash ROM. Esta sencilla herramienta de actualización de BIOS le permitirá actualizar el BIOS del sistema sin necesidad de acceder a ningún sistema operativo, como MS-DOS o Windows®. Gracias a esta utilidad, sólo necesitará pulsar <F6> durante la fase POST o pulsar <F2> para acceder al menú de configuración del BIOS y a la utilidad ASRock Instant Flash. Ejecute esta herramienta y guarde el archivo correspondiente al sistema BIOS nuevo en su unidad flash USB, unidad de disco flexible o disco duro para poder actualizar el BIOS con sólo pulsar un par de botones, sin necesidad de preparar un disco flexible adicional ni utilizar complicadas utilidades de programación. Recuerde que la unidad flash USB o disco duro utilizado debe disponer del sistema de archivos FAT32/16/12.

7. El nombre del propio software, OC DNA, indica con claridad aquello de lo que es capaz. OC DNA, una exclusiva utilidad desarrollada por ASRock, representa para el usuario una forma cómoda de grabar su configuración de OC y compartirla con otras personas. Esta utilidad le permitirá guardar sus registros de aceleración en el sistema operativo y simplificar el complicado proceso de grabación de la configuración de aceleración. ¡Gracias a OC DNA podrá guardar su configuración de OC como perfil y compartirlo con sus amigos! ¡Sus amigos podrán cargar entonces el perfil de OC en su propio sistema y disfrutar de la configuración de OC creada por usted! Recuerde que el perfil de OC creado sólo funcionará en placas base similares, por lo que sólo podrá compartirlo con usuarios que cuenten con la misma placa base que usted.
8. Aunque esta placa base ofrece un control completo, 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.
9. Cuando la temperatura de CPU está sobre-elevada, el sistema va a apagarse automáticamente. 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, acuérdesese de aplicar thermal grease entre el procesador y el disipador de calor cuando usted instala el sistema de PC.
10. EuP, siglas de Energy Using Product (Producto que Utiliza Energía), es una disposición regulada por la Unión Europea para establecer el consumo total de energía de un sistema. Según la disposición EuP, la alimentación de CA total para el sistema completo ha de ser inferior a 1,00W en modo apagado. Para cumplir con el estándar EuP, se requieren una placa base y una fuente de alimentación que cumplan con la directiva EuP. Según las directrices de Intel, una fuente de alimentación que cumpla con la directiva EuP debe satisfacer el estándar, es decir, la eficiencia de energía de 5v en modo de espera debería ser mayor del 50% con un consumo de corriente de 100mA. Para seleccionar una fuente de alimentación que cumpla la directiva EuP, le recomendamos que consulte con el fabricante de la fuente de alimentación para obtener más detalles.



### 1.3 Setup de Jumpers

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



Jumper	Setting	
--------	---------	--

PS2_USB_PWR1 (vea p.2, No. 2)		Ponga en cortocircuito pin 2, pin 3 para habilitar +5VSB (standby) para PS/2 o USB23 wake up events.
----------------------------------	--	--

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

USB_PWR2 (vea p.2, No. 22)		Ponga en cortocircuito pin 2, pin 3 para habilitar +5V_DUAL para USB01 wake up events.
-------------------------------	--	--

Atención: Para elegir +5V\_DUAL, se necesita corriente mas que 2 Amp proveida por la fuente de electricidad. Si selecciona +5V\_DUAL, los dispositivos USB podran reactivar el sistema siempre que se encuentre en el estado S3 (Suspension a RAM).

USB_PWR3 (vea p.2, No. 17)		Ponga en cortocircuito pin 2, pin 3 para habilitar +5VSB (standby) para USB4_5/6_7 wake up events.
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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, No. 14)		
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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 acuérdate de quitar el jumper cap después de limpiar el COMS. Por



favor acuérdate de quitar el jumper cap después de limpiar el CMOS. 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 Cabezales y Conectores en Placas



Los conectores y cabezales en placa NO son puentes. NO coloque las cubiertas de los puentes sobre estos cabezales y conectores. El colocar cubiertas de puentes sobre los conectores y cabezales provocará un daño permanente en la placa base.

### Conexiones de serie ATAII

(SATAII\_1: vea p.2, N. 20)

(SATAII\_2: vea p.2, N. 19)

SATAII\_2



SATAII\_1

Estos dos 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.

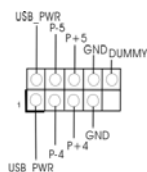
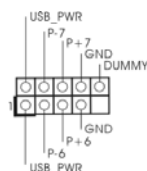
### Cabezal USB 2.0

(9-pin USB6\_7)

(ver p.2, No. 8)

(9-pin USB4\_5)

(ver p.2, No. 9)

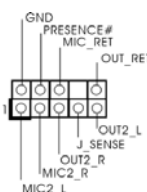


Además de cuatro puertos USB 2.0 predeterminados en el panel de E/S, hay dos bases de conexiones USB 2.0 en esta placa base. Cada una de estas bases de conexiones admite dos puertos USB 2.0.

### Conector de audio de panel frontal

(9-pin HD\_AUDIO1)

(vea p.2, N. 18)



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

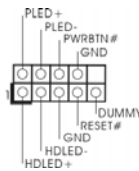
Español



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.

#### Cabezal de panel de sistema

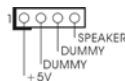
(9-pin PANEL1)  
(vea p.2, N. 12)



Este cabezar acomoda varias funciones de panel frontal de sistema.

#### Cabezal del altavoz del chasis

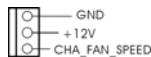
(4-pin SPEAKER1)  
(vea p.2, N. 13)



Conecte el altavoz del chasis a su cabezal.

#### Conectores de ventilador de chasis

y alimentación  
(3-pin CHA\_FAN1)  
(vea p.2, N. 11)



Por favor, conecte los cables del ventilador a los conectores de ventilador, haciendo coincidir el cable negro con la patilla de masa.

(3-pin PWR\_FAN1)  
(vea p.2, N. 1)



#### Conector del ventilador de la CPU

(3-pin CPU\_FAN1)  
(vea p.2, N. 23)



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



### Cabezal de alimentación ATX

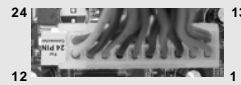
(24-pin ATXPWR1)  
(vea p.2, N. 3)



Conecte la fuente de alimentación ATX a su cabezal.



A pesar de que esta placa base incluye un 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



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## **2. BIOS Información**

La utilidad de configuración de la BIOS se almacena en el chip BIOS FWH. Cuando se arranca el equipo, pulse <F2> durante la prueba automática de encendido (POST) para entrar en la Utilidad de la configuración de la BIOS, de lo contrario, POST continúa con sus rutinas de prueba. Si desea entrar en la Utilidad de configuración de la BIOS después de POST, reanude el sistema pulsando <Ctl>+<Alt>+<Supr> o pulsando el botón de restauración situado en el chasis del sistema. Para obtener información detalladas sobre la Utilidad de configuración de la BIOS, consulte el Manual del usuario (archivo PDF), que se encuentra en el CD de soporte.

## **3. Información de Software Support CD**

Esta placa-base soporta diversos tipos de sistema operativo Windows®: 7 / Vista™ / XP 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. Введение

Благодарим вас за покупку материнской платы ASRock **PV530** надежной материнской платы, изготовленной в соответствии с постоянно предъявляемыми ASRock жесткими требованиями к качеству. Она обеспечивает превосходную производительность и отличается отличной конструкцией, которые отражают приверженность ASRock качеству и долговечности.

Данное руководство по быстрой установке включает вводную информацию о материнской плате и пошаговые инструкции по ее установке. Более подробные сведения о плате можно найти в руководстве пользователя на компакт-диске поддержки.



Спецификации материнской платы и программное обеспечение BIOS иногда изменяются, поэтому содержание этого руководства может обновляться без уведомления. В случае любых модификаций руководства его новая версия будет размещена на веб-сайте ASRock без специального уведомления. Кроме того, самые свежие списки поддерживаемых модулей памяти и процессоров можно найти на сайте ASRock.

Адрес веб-сайта ASRock <http://www.asrock.com>

При необходимости технической поддержки по вопросам данной материнской платы посетите наш веб-сайт для получения информации об используемой модели.

[www.asrock.com/support/index.asp](http://www.asrock.com/support/index.asp)

### 1.1 Комплектность

Материнская плата ASRock **PV530**

(форм-фактор Micro ATX: 8,5 x 6,7 дюйма / 21,6 x 17,0 см)

Руководство по быстрой установке ASRock **PV530**

Компакт-диск поддержки ASRock **PV530**

2 x кабель данных Serial ATA (SATA) (дополнительно)

1 x щиток ввода-вывода I/O

Русский

## 1.2 Спецификации

<b>Платформа</b>	- форм-фактор Micro ATX: 8,5 x 6,7 дюйма / 21,6 x 17,0 см - Твердотельный конденсатор в цепи питания процессора
<b>Процессор</b>	- Процессор VIA® PV530 (1.8 GHz) - FSB800 MHz - Поддержка технологии Untied Overclocking (см. <b>ОСТОРОЖНО, пункт 1</b> )
<b>Набор микросхем</b>	- VIA® VX900
<b>Память</b>	- 1 x гнезда DDR3 DIMM - Поддержите DDR3 800 не- ECC, безбуферная память - Максимальный объем системной памяти: 4 ГБ (см. <b>ОСТОРОЖНО, пункт 2</b> ) - 2 x гнезда DDR2 DIMM - Поддержите DDR2 800/667/533 не- ECC, безбуферная память - Максимальный объем системной памяти: 4 ГБ (см. <b>ОСТОРОЖНО, пункт 2</b> )
<b>Гнезда расширения</b>	- 1 x гнезда PCI Express 2.0 x16 (синий @ x8 вид) - 1 x гнезда PCI
<b>Графика</b>	- Встроенный графический адаптер VIA® Chrome9 HD DX9 - Pixel Shader 2.0, Поддержка DirectX 9.0 - Макс. объем разделяемой памяти 512Мб (см. <b>ОСТОРОЖНО, пункт 3</b> ) - Поддержка D-Sub с максимальным разрешением до 2048x1536 @ 75 Гц
<b>Аудиосистема</b>	- 5.1-канальный звук HD Audio уровня (аудиокодек VIA® VT1705)
<b>ЛВС</b>	- Atheros® PCIe1 LAN AR8132L - Скорость 10/100 Mb/s - поддержка Wake-On-LAN
<b>Разъемы ввода-вывода на задней панели</b>	I/O Panel - 1 x порт мыши PS/2 - 1 x порт клавиатуры PS/2 - 1 x параллельный порт: поддержка ECP/EPP - 1 x порт COM1 - 1 x VGA порт - 4 x порта USB 2.0 на задней панели в стандартной конфигурации - Разъем 1 x RJ-45 LAN с светодиодным индикатором (индикатор ACT/LINK и индикатор SPEED) - Аудиоразъемы: линейный вход / линейный выход / микрофон

<b>Колодки и плате</b>	<ul style="list-style-type: none"> <li>- 2 x разъема Serial ATAII 3,0 Гбит/с (см. <b>ОСТОРОЖНО, пункт 4</b>)</li> <li>- соединитель: CPU/Chassis/Power FAN</li> <li>- 24-контактный Колодка питания ATX</li> <li>- Аудиоразъем передней панели</li> <li>- 2 x Колодка USB 2.0 (поддержка 4 портов USB 2.0)</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>- 4Mb AMI BIOS</li> <li>- Лицензированная AMI BIOS</li> <li>- поддержка "Plug and Play"</li> <li>- ACPI 1.1, включение по событиям</li> <li>- поддержка режима настройки без перемычек</li> <li>- поддержка SMBIOS 2.3.1</li> </ul>
<b>Компакт-диск поддержки</b>	- Драйверы, утилиты, антивирусное программное обеспечение (Пробный Вариант), пакет ASRock Software Suite (CyberLink DVD Suite и Creative Sound Blaster X-Fi MB ) (OEM и пробные версии)
<b>Уникальная Особенность</b>	<ul style="list-style-type: none"> <li>- ASRock OC Tuner (см. <b>ОСТОРОЖНО, пункт 5</b>)</li> <li>- Instant Boot</li> <li>- ASRock Instant Flash (см. <b>ОСТОРОЖНО, пункт 6</b>)</li> <li>- ASRock OC DNA (см. <b>ОСТОРОЖНО, пункт 7</b>)</li> <li>- Hybrid Booster: <ul style="list-style-type: none"> <li>- плавная настройка частоты процессора (см. <b>ОСТОРОЖНО, пункт 8</b>)</li> <li>- ASRock U-COP (см. <b>ОСТОРОЖНО, пункт 9</b>)</li> <li>- Защита от сбоев загрузки Boot Failure Guard (B.F.G)</li> </ul> </li> </ul>
<b>Контроль оборудования</b>	<ul style="list-style-type: none"> <li>- Датчики температуры процессора</li> <li>- Датчики температуры корпуса</li> <li>- Тахометры вентиляторов CPU/Chassis/Power FAN</li> <li>- Контроль= напряжения: +12V, +5V, +3.3V, Vcore</li> </ul>
<b>Операционные системы</b>	- Совместимость с Microsoft® Windows® 7 / Vista™ / XP
<b>Сертификация</b>	<ul style="list-style-type: none"> <li>- FCC, CE, WHQL</li> <li>- Совместимость с ErP/EuP Ready (требуется блок питания совместимый с ErP/EuP) (см. <b>ОСТОРОЖНО, пункт 10</b>)</li> </ul>

\* Для детальной информации продукта, пожалуйста посетите наш вебсайт:  
<http://www.asrock.com>

**ВНИМАНИЕ**

Следует понимать, что с оверклокингом связан определенный риск во всех случаях, включая изменение установок BIOS, применение технологии Untied Overclocking или использование инструментов оверклокинга сторонних производителей. Оверклокинг может повлиять на стабильность работы системы и даже вызвать повреждение входящих в нее компонентов и устройств. Приступая к оверклокингу, вы полностью берете на себя все связанные с ним риски и расходы. Мы не будем нести ответственность за любые возможные повреждения в результате оверклокинга.

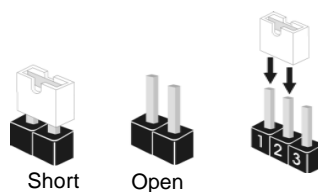
**ОСТОРОЖНО!**

1. Данная системная плата поддерживает технологию раздельного разгона (повышения частоты системной шины). Подробные сведения см. в разделе «Технология раздельного разгона» на стр. 15.
2. Из-за ограничений набора микросхем фактический объем памяти может оказаться меньше 4 Гб, поскольку часть ее резервируется для использования системой под Windows® OS.
3. Максимальная совместная емкость памяти определена продавцом микропроцессорного набора и может измениться. Входите в VIA® веб-сайт за последние информации, пожалуйста.
4. Перед подключением жесткого диска SATAII к разъему SATAII следует ознакомиться с «Руководством по установке жестких дисков SATAII» на стр. 18 Руководства пользователя на компакт-диске поддержки и переключить жесткий диск в режим SATAII. Помимо этого, к разъему SATAII можно непосредственно подключить жесткий диск SATA.
5. Это - легкий в использовании ASRock разгон инструмент, который позволяет, что Вы, чтобы рассмотреть вашу систему монитором аппаратных средств функционируете и сверххронометрируете ваши устройства аппаратных средств, чтобы получить лучшую работу системы под окружающей средой Windows -. Пожалуйста посетите наш вебсайт для порядков работы Блока настройки OCEANA ASRock. Вебсайт ASRock: <http://www.asrock.com>
6. ASRock Instant Flash – программа для прошивки BIOS, встроенная в Flash ROM. Данное средство для обновления BIOS умеет работать без входа в операционные системы, вроде MS-DOS или Windows®. Чтобы запустить программу достаточно нажать <F6> во время самотестирования системы (POST) или войти в BIOS при помощи кнопки <F2> и выбрать пункт ASRock Instant Flash через меню. Запустите программу и сохраните новый BIOS на USB-флэшку, дискету или жесткий диск. После этого вы сможете оперативно обновить BIOS, без необходимости подготовки дополнительной дискеты, без установки программы прошивки. Имейте в виду, что USB-флэшка или винчестер должны использовать файловую систему FAT32/16/12.

7. Название утилиты OC DNA говорит само за себя. OC DNA – эксклюзивная утилита, разработанная компанией ASRock, которая дает возможность пользователю легко и просто записывать свои настройки разгона и делиться ими с друзьями. OC DNA позволяет сохранить настройки разгона под операционной системой, что существенно упрощает жизнь пользователя. С помощью OC DNA вы можете сохранить свои настройки разгона в виде профиля. После чего вы можете его переслать своим друзьям, и уже ваш друг сможет использовать ваш профиль на своей системе! Внимание, записанные профили будут работать только на одинаковых моделях материнских плат.
8. Хотя данная материнская плата поддерживает плавную настройку частоты, устанавливать повышенную частоту не рекомендуется. Использование значений частоты шины процессора отличающихся от рекомендованных, может привести к нестабильной работе системы или повреждению процессора и материнской платы.
9. При обнаружении перегрева процессора работа системы автоматически завершается. Прежде чем возобновить работу системы, убедитесь в нормальной работе вентилятора процессора на материнской плате и отсоедините шнур питания, а затем снова подключите его. Чтобы улучшить отвод тепла, не забудьте при сборке компьютера нанести термопасту между процессором и радиатором.
10. EuP расшифровывается как Energy Using Product. Стандарт был разработан Европейским Союзом для определения энергопотребления готовых систем. По требованию EuP система в выключенном состоянии должна потреблять менее 1 Вт энергии. Для соответствия стандарту EuP нужны соответствующие материнская плата и блок питания. Компания Intel предложила, что совместимый с EuP блок питания должен обеспечивать 50% эффективность линии питания 5V при потреблении 100 мА (в режиме ожидания). Сверьтесь с информацией производителей блоков питания, чтобы выбрать модель с поддержкой EuP.

### 1.3 Установка переключателей

Конфигурация переключателей иллюстрируется на рисунке. Когда переключатель надет на контакты, они называются «замкнутыми» (short). Если на контактах переключателя нет, то они называются «разомкнутыми» (open). На иллюстрации показана 3-контактная переключатель, у которой контакты 1 и 2 замкнуты.



Переключатель	Установка	Описание
PS2 USB PWR1 (см. стр. 2, п. 2)		Замкните контакты 2 и 3, чтобы выбрать режим +5VSB и разрешить включение по событиям PS/2 или USB2.3.
Примечание.	Выбирая режим +5VSB, имейте в виду, что он требует от блока питания тока в режиме ожидания не менее 2 А.	
USB PWR2 (см. стр. 2, п. 22)		Замкните контакты 2 и 3, чтобы выбрать режим +5V_DUAL и разрешить включение по событиям USB2.3.
Примечание.	Выбирая режим +5V_DUAL, имейте в виду, что он требует от блока питания тока в режиме ожидания не менее 2 А. В случае выбора режима «+5V_DUAL» USB-устройства могут пробуждать систему из состояния S3 (приостановка с сохранением данных в ОЗУ).	
USB PWR3 (см. стр. 2, п. 17)		Замкните контакты 2 и 3, чтобы выбрать режим +5VSB и разрешить включение по событиям USB4 5/6 7.
Примечание.	Выбирая режим +5VSB, имейте в виду, что он требует от блока питания тока в режиме ожидания не менее 2 А.	
Очистка CMOS (CLR_CMOS1, 3-контактная переключатель) (см. стр. 2, п. 14)		
Примечание.	CLR_CMOS1 позволяет очистить данные в памяти CMOS. Данные, хранящиеся в памяти CMOS, содержат сведения о настройке системы, такие как системный пароль, дата и параметры настройки. Чтобы сбросить и установить стандартные настройки системы, выключите компьютер и отключите сетевой кабель от блока питания. Подождите 15 секунд, при помощи переключателя замкните контакты pin2 и pin3 CLR_CMOS1 на 5 секунд. Однако не очищайте память CMOS сразу после обновления BIOS. При	

необходимости очистить память CMOS после завершения обновления BIOS необходимо перед очисткой памяти CMOS сначала загрузить систему, а затем выключить ее.

## 1.4 Колодки и разъемы на плате



Имеющиеся на плате колодки и разъемы НЕ ЯВЛЯЮТСЯ контактами для перемычек. НЕ УСТАНАВЛИВАЙТЕ перемычки на эти колодки и разъемы – это приведет к необратимому повреждению материнской платы!

Разъемы Serial ATAII  
(SATAII 1, см. стр. 2, п. 20)  
(SATAII 2, см. стр. 2, п. 19)



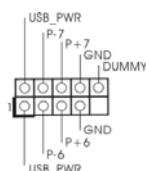
Два соединителя Serial ATAII предназначены для подключения внутренних устройств хранения с использованием интерфейсных кабелей SATAII. В настоящее время интерфейс SATA допускает скорость передачи данных до \ 3,0 Гбит/с.

Информационный кабель Serial ATA (SATA)  
(дополнительно)



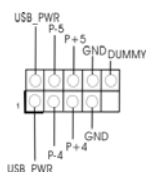
Информационный кабель интерфейса SATA / SATAII не является направленным. Любой из его соединителей может быть подключен либо к жесткому диску интерфейса SATAII либо к материнской плате.

Колодка USB 2.0  
(9-контактный USB6 7)  
(см. стр. 2, п.8)



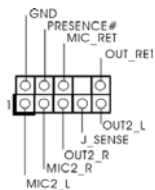
Помимо двух имеющихся в стандартной конфигурации портов USB 2.0 на панели ввода-вывода, данная материнская плата содержит также три колодки USB 2.0. Каждая из колодок USB 2.0 позволяет подключить по два порта USB 2.0.

(9-контактный USB4 5)  
(см. стр. 2, п.9)



Русский

Аудиоразъем передней панели  
(9-контактный HD AUDIO1)  
(см. стр. 2, п. 18)

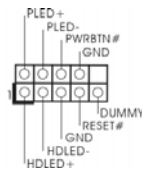


Этот интерфейс предназначен для присоединения аудиокабеля передней панели, обеспечивающего удобное подключение аудиоустройств и управление ими.



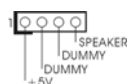
1. Система High Definition Audio поддерживает функцию автоматического обнаружения разъемов (Jack Sensing), однако для ее правильной работы кабель панели в корпусе должен поддерживать HDA. При сборке системы следуйте инструкциям, приведенным в нашем руководстве и руководстве пользователя для корпуса.
2. Если вы используете аудиопанель AC'97, подключите ее к колодке аудиоинтерфейса передней панели следующим образом:
  - A. Подключите выводы Mic IN (MIC) к контактам MIC2 L.
  - B. Подключите выводы Audio R (RIN) к контактам OUT2 R, а выводы Audio L (LIN) к контактам OUT2 L.
  - C. Подключите выводы Ground (GND) к контактам Ground (GND).
  - D. Контакты MIC\_RET и OUT\_RET предназначены только для аудиопанели HD. При использовании аудиопанели AC'97 подключать их не нужно.

Колодка системной панели  
(9-контактный PANEL1)  
(см. стр. 2, п. 12)



Данная колодка обеспечивает работу нескольких функций передней панели системы.

Колодка динамика корпуса  
(4-контактный SPEAKER1)  
(см. стр. 2, п. 13)



Подключите к этой колодке кабель от динамика на корпусе компьютера.

Chassis и Power Fan-соединители  
(3-контактный CHA\_FAN1)  
(см. стр. 2, п. 11)



Подключите кабели вентилятора к соединителям и присоедините черный шнур к штырю заземления.

(3-контактный PWR\_FAN1)  
(см. стр. 2, п. 1)



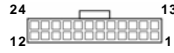
Разъем вентилятора процессора  
(3-контактный CPU\_FAN1)  
(см. стр. 2, п. 23)



Подключите к этому разъему кабель вентилятора процессора так, чтобы черный провод соответствовал контакту земли.



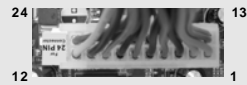
Колодка питания ATX  
(24-контактный ATXPWR1)  
(см. стр. 2, п. 3)



Подключите к этой колодке  
кабель питания ATX.



Несмотря на то, что эта материнская плата предусматривает 24-штыревой разъем питания ATX, работа будет продолжаться, даже если адаптируется традиционный 20-штыревой разъем питания ATX. Для использования 20-штыревого разъема питания ATX вставьте источник питания вместе со штекером 1 и штекером 13.



Установка 20-штыревого разъема питания ATX



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## 2. Информация о BIOS

Утилита настройки BIOS (BIOS Setup) хранится во флэш-памяти на материнской плате. Чтобы войти в программу настройки BIOS Setup, при запуске компьютера нажмите <F2> во время самопроверки при включении питания (Power-On-Self-Test – POST). Если этого не сделать, то процедуры тестирования POST будут продолжаться обычным образом. Если вы захотите вызвать BIOS Setup уже после POST, перезапустите систему с помощью клавиш <Ctrl> + <Alt> + <Delete> или нажатия кнопки сброса на корпусе системы. Подробную информацию о программе BIOS Setup вы найдете в Руководстве пользователя (в формате PDF) на компакт-диске поддержки.

## 3. Информация о компакт-диске поддержки с программным обеспечением

Данная материнская плата поддерживает различные операционные системы Microsoft® Windows®: 7 / Vista™ / XP. Поставляемый вместе с ней компакт-диск поддержки содержит необходимые драйверы и полезные утилиты, которые расширяют возможности материнской платы. Чтобы начать работу с компакт-диском поддержки, вставьте его в дисковод CD-ROM. Если в вашем компьютере включена функция автозапуска (AUTORUN), то на экране автоматически появится главное меню компакт-диска (Main Menu). Если этого не произошло, найдите в папке BIN на компакт-диске поддержки файл ASSETUP.EXE и дважды щелкните на нем, чтобы открыть меню.



## 1. Introdução

Gratos por comprar nossa placa-mãe **PV530** 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](http://www.asrock.com/support/index.asp)

### 1.1 Este pacote contém

Placa-mãe ASRock **PV530**

(Formato Micro ATX: 8,5 pol. x 6,7 pol., 21,6 cm x 17,0 cm)

Guia de instalação rápida da ASRock **PV530**

CD de suporte da placa ASRock **PV530**

Dois cabo de dados ATA Serial (SATA) (Opcional)

Uma proteção I/O

## 1.2 Especificações

<b>Plataforma</b>	- Formato Micro ATX: 8,5 pol. x 6,7 pol., 21,6 cm x 17,0 cm - Condensador Solid para alimentação da CPU
<b>CPU</b>	- Processador VIA® PV530 (1.8 GHz) - FSB800 MHz - Suporta a tecnologia Untied Overclocking (veja o <b>AVISO 1</b> )
<b>Chipsets</b>	- VIA® VX900
<b>Memória</b>	- 1 x slot de DDR3 DIMM - Suporte para memória não intermédia DDR3 800, não ECC - Capacidade máxima de memória do sistema: 4GB (veja o <b>AVISO 2</b> ) - 2 x slots de DDR2 DIMM - Suporte para memória não intermédia DDR2 800/667/533, não ECC - Capacidade máxima de memória do sistema: 4GB (veja o <b>AVISO 2</b> )
<b>Slots de Expansão</b>	- 1 x slot de PCI Express 2.0 x16 (modo azul @ x8) - 1 x slot de PCI
<b>VGA integrado</b>	- Placa gráfica incorporada VIA® Chrome9 HD DX9 - Pixel Shader 2.0, DX9.0 VGA - Memória partilhada máxima 512MB (veja o <b>AVISO 3</b> ) - Suporta D-Sub com resolução máxima até 2048x1536 @ 75Hz
<b>Áudio</b>	- Áudio de alta definição de canal 5.1 (Codec de áudio VIA® VT1705)
<b>LAN</b>	- Atheros® PCIe x1 LAN AR8132L - Velocidade: 10 / 100 Ethernet - Suporta Wake-On-LAN
<b>Entrada/Saída pelo painel traseiro</b>	I/O Panel - 1 x porta para mouse PS/2 - 1 x porta para teclado PS/2 - 1 x porta paralela (com suporte ECP/EPP) - 1 x porta COM1 - 1 x porta VGA - 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

<b>Conectores</b>	<ul style="list-style-type: none"> <li>- 2 x conectores SATAII, suporte a taxa de transferência de dados de até 3,0 Gb/s (veja o <b>AVISO 4</b>)</li> <li>- Conector do ventilador da CPU/chassis/energia</li> <li>- Conector de força do ATX de 24 pinos</li> <li>- Conector Áudio do painel frontal</li> <li>- 2 x cabezal USB 2.0 (suporta 4 portas USB 2.0)</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>- 4Mb BIOS AMI</li> <li>- BIOS AMI</li> <li>- Suporta dispositivos "Plug and Play"</li> <li>- ACPI 1.1 atendendo a eventos de "wake up"</li> <li>- Suporta dispositivos sem jumper</li> <li>- Suporte para SMBIOS 2.3.1</li> </ul>
<b>CD de suporte</b>	<ul style="list-style-type: none"> <li>- Controladores, utilitários, software antivírus (Experimentacao Versao), conjunto de programas da ASRock (CyberLink DVD Suite e Creative Sound Blaster X-Fi MB) (OEM e versão de demonstração)</li> </ul>
<b>Funcionalidade Única</b>	<ul style="list-style-type: none"> <li>- Sintonizador ASRock OC (veja o <b>AVISO 5</b>)</li> <li>- Instant Boot</li> <li>- ASRock Instant Flash (veja o <b>AVISO 6</b>)</li> <li>- ASRock OC DNA (veja o <b>AVISO 7</b>)</li> <li>- Booster híbrido: <ul style="list-style-type: none"> <li>- Frequência da CPU com controle contínuo (veja o <b>AVISO 8</b>)</li> <li>- ASRock U-COP (veja o <b>AVISO 9</b>)</li> <li>- B.F.G. (Boot Failure Guard)</li> </ul> </li> </ul>
<b>Monitor do HW</b>	<ul style="list-style-type: none"> <li>- Sensores de temperature do procesador</li> <li>- Medição de temperatura da placa-mãe</li> <li>- Tacômetros de ventilador do Processador/chassis/energia</li> <li>- Monitoramento de voltagem : +12 V, +5 V, +3.3 V, Vcore</li> </ul>
<b>Sistema Operacional</b>	<ul style="list-style-type: none"> <li>- Microsoft® Windows® 7 / Vista™ / XP</li> </ul>
<b>Certificações</b>	<ul style="list-style-type: none"> <li>- FCC, CE, WHQL</li> <li>- "ErP/EuP Ready" (é necessária alimentação eléctrica "ErP/EuP Ready") (veja o <b>AVISO 10</b>)</li> </ul>

\* 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.

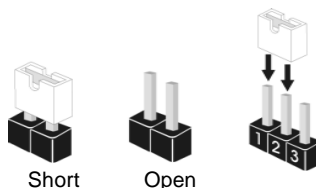
**AVISO!**

1. Esta placa principal suporta a tecnologia Untied Overclocking. Consulte a secção "Tecnologia Untied Overclocking" na página 15 para mais informações.
2. Devido a limitação de chipset, o tamanho de memória atual pode ser menos de 4GB para a reservação para a utilização de sistema sub Windows® OS.
3. O máximo tamanho de memória compartilhada é definido por vendedor de chipset e é sujeito a mudar. Verifique o VIA® website para a última informação.
4. Antes de instalar o disco duro SATAII no conector SATAII, por favor leia o "Guia de Instalação do Disco duro SATAII" na página 18 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.
5. 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>
6. ASRock Instant Flash est un utilitaire de flash du BIOS flash intégré dans la ROM Flash. Cet outil pratique de mise à jour du BIOS vous permet de mettre à jour le BIOS du système sans entrer d'abord dans un système d'exploitation tel que MS-DOS ou Windows®. Avec cet utilitaire, vous pouvez appuyer sur la touche <F6> pendant le POST ou sur la touche <F2> durant le menu de configuration du BIOS pour accéder à ASRock Instant Flash. Lancez simplement cet outil et enregistrez le nouveau fichier BIOS sur votre lecteur flash USB, sur une disquette ou un disque, avant de pouvoir mettre à jour votre BIOS en quelques clics seulement, sans préparer de disquette supplémentaire ni d'autre utilitaire flash compliqué. Veuillez noter que le lecteur flash USB ou le disque dur doit utiliser le système de fichiers FAT32/16/12.

7. O próprio nome do software – OC DNA diz-lhe literalmente aquilo de que é capaz. OC DNA, um utilitário exclusivo desenvolvido pela ASRock, proporciona uma forma conveniente para o utilizador gravar as definições OC e partilhar com outros. Ajuda-o a guardar o seu registo de “overclocking” (aumento da frequência do processador) no sistema operativo e simplifica o complexo processo de gravação das definições de “overclocking”. Com OC DNA, pode guardar as suas definições OC como perfil e partilhá-las com os seus amigos! Depois, os seus amigos podem carregar o perfil OC no seu próprio sistema para obter as mesmas definições OC que você tem! Por favor, tenha em conta que o perfil OC só pode ser partilhado e trabalhado na mesma placa-mãe.
8. Apesar de esta placa-mãe oferecer controle continuamente variável, não se recomenda efetuar over-clock. Frequências de barramento diferentes das recomendadas para a CPU podem provocar instabilidade do sistema ou danos à CPU.
9. 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.
10. EuP, que significa Energy Using Product (Produto que Utiliza Energia), foi uma provisão regulada pela União Europeia para definir o consumo de energia para o sistema concluído. De acordo com a EuP, a corrente AC total do sistema concluído deverá ser inferior a 1.00W no estado de modo desligado. Para satisfazer a norma EuP, é necessário uma placa-mãe e uma fonte de alimentação eléctrica que estejam em conformidade com a norma EuP. De acordo com a sugestão da Intel, a fonte de alimentação em conformidade com a norma EuP deve satisfazer o padrão, isto é, a eficiência energética de reserva de 5v deve ser superior a 50% com um consumo de corrente de 100 mA. Para selecção da fonte de alimentação em conformidade com a norma EuP, recomendamos que confirme com o fabricante da fonte de alimentação para mais detalhes.

### 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 estão “curtos” quando a capa de jumper estiver colocada sobre esses 2 pinos.



Jumper	Configuração	
PS2_USB_PWR1 (veja a folha 2, No. 2)		Pin2, Pin3 curtos para habilitar +5VSB (stand by) para PS/2 ou eventos de wake up na USB23.
Nota: Para escolher +5VSB, é preciso uma corrente de stand by de 2 A ou mais.		
USB_PWR2 (veja a folha 2, No. 22)		Pin2, Pin3 curtos para habilitar +5V_DUAL para eventos de wake up na USB01.
Nota: Para seleccionar +5V_DUPLO, são necessários 2 Amp e uma corrente de repouso mais elevada fornecida pela fonte de alimentação. Quando seleccionar +5V_DUPLO, os dispositivos USB podem activar o sistema quando este se encontra no estado S3 (Suspendir para RAM).		
USB_PWR3 (veja a folha 2, No. 17)		Pin2, Pin3 curtos para habilitar +5VSB (stand by) para eventos de wake up na USB4_5/6_7.
Nota: Para escolher +5VSB, é preciso uma corrente de stand by de 2 A ou mais.		
Restaurar CMOS (CLRCMOS1, jumper de 2 pinos) (veja a folha 2, No. 14)		
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 parâmetros da configuração do sistema. Para limpar e reconfigurar os parâmetros do sistema a configuração inicial da fábrica, por favor desligue o cabo de força, ponha em curto-circuito os pin 2		




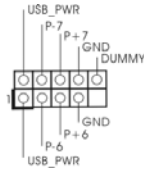
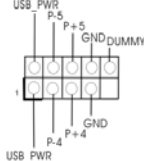


e pin 3 de CLRCMOS1 por mais de 5 segundos para limpar o CMOS usando um jumper. Por favor lembre-se de remover o jumper depois de limpar o CMOS. Se precisar limpar o CMOS ao concluir a atualização do BIOS, deverá reiniciar o sistema primeiro e, em seguida, desligá-lo antes de executar a ação de limpeza o CMOS.

## 1.4 Conectores

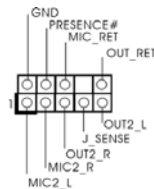


Os conectores NÃO SÃO jumpers. NÃO coloque capas de jumper sobre estes conectores. A colocação de pontos de jumper sobre os conectores causará danos irreversíveis à placa-mãe.

Conector	Figura	Descrição
<b>Conectores SATAII Serial</b> (SATAII_1: veja a folha 2, No. 20) (SATAII_2: veja a folha 2, No. 19)	  SATAII_2 SATAII_1	Estes dois 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.
<b>Cabo de dados ATA (SATA)</b> (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.
<b>Cabezal USB 2.0</b> (USB6_7 de 9 pinos) (veja a folha 2, No. 8)  (USB4_5 de 9 pinos) (veja a folha 2, No. 9)	 	Além das quatro portas USB 2.0 por defeito no painel de entrada/saída, há dois ligações USB 2.0 nesta placa-mãe. Cada ligação USB 2.0 pode suportar duas portas USB 2.0.

### Conector Áudio do painel frontal

(HD\_AUDIO1 de 9 pinos)  
(veja a folha 2, No. 18)



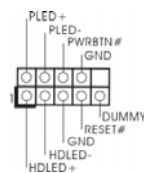
Esta é uma interface para o cabo de áudio no painel frontal, que permite uma conexão e controle convenientes dos dispositivos de áudio.



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.

### Conector do painel do sistema

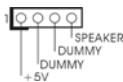
(PANEL1 de 9 pinos)  
(veja a folha 2, No. 12)



Este conector acomoda várias funções do painel frontal do sistema.

### Conector do alto-falante do chassi

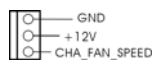
(SPEAKER1 de 4 pinos)  
(veja a folha 2, No. 13)



Ligue o alto-falante do chassi neste conector.

### Conector do ventilador do chassis e energia

(CHA\_FAN1 de 3 pinos)  
(veja a folha 2, No. 11)



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

(PWR\_FAN1 de 3 pinos)  
(veja a folha 2, No. 1)



### Conector do ventilador da CPU

(CPU\_FAN1 de 3 pinos)  
(veja a folha 2, No. 23)



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



### Conector de força do ATX

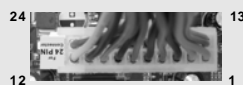
(ATXPWR1 de 24 pinos)  
(veja a folha 2, No. 3)



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 adaptação 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





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## **2. Informações da BIOS**

O Utilitário de Configuração do BIOS está armazenado no chip FWH do BIOS. Ao iniciar o computador, pressione <F2> durante o Autoteste de iniciação (POST) para acessar o Utilitário de Configuração do BIOS; caso contrário, o POST continuará com as rotinas de teste. Se desejar acessar o Utilitário de Configuração do BIOS depois do POST, reinicie o sistema pressionando <Ctl> + <Alt> + <Del>, ou pressionando o botão de reinício no chassi do sistema. Para as informações detalhadas sobre o Utilitário de Configuração do BIOS, consulte o Manual do Usuário (arquivo PDF) no CD de suporte.

## **3. Informações do CD de Suporte**

Esta placa Mãe suporta vários sistemas operacionais: Microsoft® Windows®: 7 / Vista™ / XP. O CD de instalação que acompanha a placa Mãe contém: 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, caso o AUTORUN esteja ativado. Se o menu principal não aparecer automaticamente, explore o CD e execute o "ASSETUP.EXE" localizado na pasta BIN.



## 1. Giriş

ASRock'ın kesintisiz titiz kalite denetimi altında üretilen güvenilir bir anakart olan ASRock **PV530** anakartını satın aldığınız için teşekkür ederiz. ASRock'ın kalite ve dayanıklılık konusundaki kararlılığına uygun güçlü tasarımıyla mükemmel bir performans sunar.

Bu kılavuzda, bölüm 1 ve 2 anakarta giriş ve donanım yüklemesine adım adım kılavuz içerir. Destek CD'sinin bölüm 3 ve 4'ü, BIOS ayarları ve bilgilerini içerir.



Anakart özellikleri ve BIOS yazılımı güncelleştirilebileceğinden bu kılavuzun içeriği önceden haber verilmeksizin değişebilir. Bu belgede değişiklik yapılması durumunda, güncelleştirilmiş sürüm ayrıca haber verilmeksizin ASRock web sitesinde sunulur. En son VGA kartlarını ve CPU destek listelerini de ASRock web sitesinde bulabilirsiniz.

ASRock web sitesi: <http://www.asrock.com>

Bu anakartla ilgili teknik desteğe ihtiyacınız olursa, kullandığınız modele özel bilgiler için lütfen web sitemizi ziyaret edin.

[www.asrock.com/support/index.asp](http://www.asrock.com/support/index.asp)

### 1.1 Paket İçindekiler

Bir ASRock **PV530** Anakartı

(Mikro ATX Form Faktörü: 8,5 inç x 6,7 inç, 21,6 cm x 17,0 cm)

Bir ASRock **PV530** Hızlı Takma Kılavuzu

Bir ASRock **PV530** Destek CD'si

İki Seri ATA (SATA) Veri Kablosu (İsteğe Bağlı)

Bir G/Ç Panel Kalkanı

Türkçe

## 1.2 Özellikler

<b>Platform</b>	- Mikro ATX Form Faktörü: 8,5 inç x 6,7 inç, 21,6 cm x 17,0 cm - CPU gücü için Katı Kapasitör
<b>CPU</b>	- VIA® PV530 işlemcileri (1,8 GHz) - FSB 800 MHz - Untied Overclocking Teknolojisini destekler (bkz. <b>DİKKAT 1</b> )
<b>Yonga seti</b>	- VIA® VX900
<b>Bellek</b>	- 1 x DDR3 DIMM yuva - DDR3 800 ECC olmayan, ara belleksiz bellek - Sistem belleğinin maks. kapasitesi: 4 GB (bkz. <b>DİKKAT 2</b> ) - 2 x DDR2 DIMM yuva - DDR2 800/667/533 ECC olmayan, ara belleksiz bellek - Sistem belleğinin maks. kapasitesi: 4 GB (bkz. <b>DİKKAT 2</b> )
<b>Genişletme Yuvası</b>	- 1 x PCI Express 2.0 x16 yuva (mavi @ x8 modu) - 1 x PCI yuva
<b>Grafikler</b>	- VIA® Chrome9 HD DX9 grafik kartı - Pixel Shader 2.0, DirectX 9.0 - Maks. paylaşılan bellek 512 MB (bkz. <b>DİKKAT 3</b> ) - 75Hz'de 2048x1536'a kadar maks. çözünürlükle D-Sub'ı destekler
<b>Ses</b>	- (VIA® VT1705 Ses Codec'i) 5,1 Kanal HD Ses
<b>LAN</b>	- Atheros® PCIEx1 AR8132L - hız 10/100 Mb/sn - LAN'da Uyan özelliğini destekler
<b>Arka Panel G/Ç</b>	G/Ç Paneli - 1 x PS/2 Fare Portu - 1 x PS/2 Klavye Portu - 1 x Paralel Portu (ECP/EPP destekler) - 1 x Seri Port: COM1 - 1 x VGA Portu - 4 x Kullanıma Hazır USB 2.0 Portu - 1 x RJ-45 LAN Portu, LED'li (AKT/LİNK LED'i ve HIZ LED'i) - HD Ses Jakı: Hat girişi / Ön Hoparlör / Mikrofon
<b>Konektör</b>	- 2 x Seri ATAII 3,0 Gb/s konektör (bkz. <b>DİKKAT 4</b> ) - CPU/Kasa/Güç FAN konektörü - 24 pin ATX güç konektörü - Ön panel ses fişi - 2 x USB 2.0 fiş (4 USB 2.0 portu destekler)
<b>BIOS Özelliği</b>	- 4 Mb AMI BIOS - AMI Legal BIOS - "Tak Çalıştır"ı destekler - ACPI 1.1 Uyumlu Uyandırma Olavları

	<ul style="list-style-type: none"> <li>- Jumpersız destekler</li> <li>- SMBIOS 2.3.1 Desteği</li> </ul>
<b>Destek CD'si</b>	- Sürücüler, Yardımcı Programlar, AntiVirüs Yazılımı (Deneme Sürümü), ASRock Yazılım Paketi (CyberLink DVD Paketi - OEM ve Deneme; Creative Sound Blaster X-Fi MB - Deneme)
<b>Benzersiz Özellik</b>	<ul style="list-style-type: none"> <li>- ASRock OC Tuner (bkz. <b>DİKKAT 5</b>)</li> <li>- Anında Önyükleme</li> <li>- ASRock Anında Flash (bkz. <b>DİKKAT 6</b>)</li> <li>- ASRock OC DNA (bkz. <b>DİKKAT 7</b>)</li> <li>- Hibrit Yükseltici: <ul style="list-style-type: none"> <li>- CPU Frekans Adımsız Kontrol (bkz. <b>DİKKAT 8</b>)</li> <li>- ASRock U-COP (bkz. <b>DİKKAT 9</b>)</li> <li>- Önyükleme Hatası Koruması (B.F.G.)</li> </ul> </li> </ul>
<b>Donanım Monitör</b>	<ul style="list-style-type: none"> <li>- CPU Sıcaklık Duyarlılığı</li> <li>- Kasa Sıcaklık Duyarlılığı</li> <li>- CPU/Kasa/Güç Fan Takometresi</li> <li>- Voltaj İzleme: +12V, +5V, +3,3V, Vcore</li> </ul>
<b>İS</b>	- Microsoft® Windows® 7 / Vista™ / XP uyumlu
<b>Sertifikalar</b>	<ul style="list-style-type: none"> <li>- FCC, CE, WHQL</li> <li>- ErP/EuP Hazır (ErP/EuP hazır güç kaynağı gerekli) (bkz. <b>DİKKAT 10</b>)</li> </ul>

\* Ayrıntılı ürün bilgileri için lütfen web sitemizi ziyaret edin: <http://www.asrock.com>

#### UYARI

Lütfen, ayarı BIOS'da ayarlama, Untied Overclocking Teknolojisi'ni uygulama veya üçüncü taraf aşırı hızlandırma araçlarını kullanma gibi durumlarda aşırı hızlandırmayla ilgili risk olduğunu unutmayın. Aşırı hızlandırma sisteminizin kararlılığını etkiler veya hatta sisteminizin bileşenlerini ve cihazlarına zarar verebilir. Bu risk size aittir ve zararı siz ödersiniz. Aşırı hızlandırmadan kaynaklanan olası zarardan sorumlu değiliz.

Türkçe

**DİKKAT!**

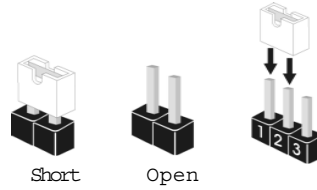
1. Bu anakart Untied Overclocking Teknolojisi'ni destekler. Ayrıntılar için lütfen sayfa 15'teki "Untied Overclocking Teknolojisi"ni okuyun.
2. İşletim Yonga seti kısıtlaması nedeniyle, Windows® İS altında sistem kullanımı için ayırmak için gerçek bellek boyutu 4 GB'den az olabilir.
3. Maksimum paylaşılan bellek boyutu yonga seti satıcısı tarafından tanımlanır ve değişebilir. Lütfen en son bilgileri için VIA® web sitesini kontrol edin.
4. SATAII sabit diskini SATAII konektörüne takmadan önce, SATAII sabit disk sürücünüzü SATAII moduna ayarlamak için lütfen destek CD'sindeki "Kullanıcı Kılavuzu", sayfa 18'teki "SATAII Sabit Disk Kurulum Kılavuzu" nu okuyun. Ayrıca SATA sabit diskini SATAII konektörüne doğrudan da bağlayabilirsiniz.
5. Windows® ortamında en iyi sistem performansını almak için donanım izleme işleviyle sisteminizi izleyen ve donanım cihazlarınızı aşırı hızlandıran kullanıcı dostu bir ASRock aşırı hızlandırma aracıdır. ASRock OC Tuner'in çalışma prosedürleri için lütfen web sitemizi ziyaret edin.  
ASRock web sitesi: <http://www.asrock.com>
6. ASRock Anında Flash, Flash ROM'a katıştırılmış bir BIOS flash yardımcı programıdır. Bu kullanışlı BIOS güncelleme aracı, sistem BIOS'unu MS-DOS veya Windows® gibi ilk önce işletim sistemine girmeden güncellenizi sağlar. Bu yardımcı programla, POST sırasında <F6> tuşuna basabilirsiniz veya BIOS ayarları menüsünün ASRock Anında Flash'a erişmesi için <F2> tuşuna basabilirsiniz. Bu aracı başlatın ve yeni BIOS dosyasını USB flash sürücünüze, diskete veya sabit sürücüye kaydedin, sonra BIOS'unuzu yalnızca birkaç tıklatma ile ek bir disket veya diğer karmaşık flash yardımcı programlarını hazırlamadan güncelleyebilirsiniz. Lütfen USB flash sürücünün veya sabit diskin FAT32/16/12 dosya sistemi kullanması gerektiğini unutmayın.
7. Yazılım adı OC DNA'dır ve bu ad harfi harfine özelliklerini anlatır. OC DNA, ASRock tarafından geliştirilmiş özel bir yardımcı programdır, kullanıcının OC ayarlarını kaydetmesi ve başkalarıyla paylaşması için uygun bir yol sağlar. İşletim sistemi altında aşırı hızlandırma kaydınızı kaydetmenize yardımcı olur ve aşırı hızlandırma ayarlarının karmaşık kayıt işlemini kolaylaştırır. OC DNA sayesinde, OC ayarlarınızı bir profil olarak kaydedebilir ve arkadaşlarınızla paylaşabilirsiniz! Arkadaşlarınız sizinkiyle aynı OC ayarlarına sahip olmak için OC profilini kendi sistemlerine yükleyebilir! Lütfen OC profilinin yalnızca aynı anakartta paylaşılabilirliğini ve çalışabileceğini unutmayın.
8. Bu anakart adımsız kontrole izin verse de aşırı hızlandırma uygulamanız önerilmez. Önerilen CPU veri yolu frekansları dışındaki frekanslar sistemin dengesiz olmasına veya CPU'nun zarar görmesine neden olabilir.



9. CPU aşırı ısınması algılandığında, sistem otomatik olarak kapatılır. Sistemi devam ettirmeden önce, lütfen anakarttaki CPU fanının düzgün çalıştığını kontrol edin ve güç kablosunu çıkarın, sonra geri takın. Isı geçişini artırmak için, PC sistemini yüklediğinizde CPU ile ısı emici arasına ısı macunu sürmeyi unutmayın.
10. Enerji Kullanan Ürün anlamına gelen EuP, tamamlanmış sistemler için güç tüketimini tanımlamak için Avrupa Birliği tarafından düzenlenen bir gerekliliktir. EuP'a göre, kapalı mod durumunda tamamlanmış sistemin toplam AC gücü 1,00W altında olmalıdır. EuP standardını karşılamak için, EuP hazır anakart ve EuP hazır güç kaynağı gerekir. Intel'in önerisine göre, EuP hazır güç kaynağının 100 mA akım tüketiminde 5v beklemede güç etkinliği %50'den yüksektir standardını karşılaması gerekir. EuP hazır güç kaynağı seçimi için, daha fazla ayrıntı için güç kaynağı üreticisine başvurmanızı öneririz.

### 1.3 Jumper'ların Ayarı

Şekilde jumper'ların nasıl ayarlandıkları gösterilmektedir. Jumper kapağı pinler üzerine yerleştirildiğinde jumper "Kapalı"dır. Jumper kapağı pinler üzerindeyken jumper "Açık"tır. Şekilde pin1 ve pin2'si "Kapalı" olan jumper kapağı bu 2 pine yerleştirilmiş 3-pinli jumper gösterilmektedir.



#### Jumper Ayar

PS2 USB PWR1

(bkz. s.2, No. 2)



PS/2 veya USB23 uyandırma olayları için +5VSB'yi (bekleme) etkinleştirmek için pin2, pin3'ü kapatın.

Not: +5VSB'yi seçmek için, güç kaynağı tarafından sağlanan 2 Amp ve daha yüksek bekleme akımı gerektirir.

USB PWR2

(bkz. s.2, No. 22)



USB01 uyandırma olayları için +5V DUAL'ı etkinleştirmek için pin2, pin3'ü kapatın.

Not: +5V DUAL'ı seçmek için, güç kaynağı tarafından sağlanan 2 Amp ve daha yüksek bekleme akımı gerektirir. +5V DUAL'ı seçtiğinizde, USB cihazları S3 (RAM'de askıya alma) durumu altında sistemi uyandırabilir.

USB PWR3

(bkz. s.2, No. 17)



USB4 5/6 7 uyandırma olayları için +5VSB'yi (bekleme) etkinleştirmek için pin2, pin3'ü kapatın.

Not: +5VSB'yi seçmek için, güç kaynağı tarafından sağlanan 2 Amp ve daha yüksek bekleme akımı gerektirir.

CMOS'u temizleme

(CLRCMOS1, 3-pinli jumper)

(bkz. s.2 No. 14)



Not: CLRCMOS1, CMOS içindeki verileri temizlemenizi sağlar. CMOS'daki veriler sistem parolası, tarih, saat ve sistem ayar parametreleri gibi sistem ayar bilgilerini içerir. Sistem parametrelerini temizlemek ve varsayılan ayarlara sıfırlamak için, lütfen bilgisayarı kapatın ve güç kablosunu güç kaynağından çıkarın. 15 saniye bekledikten sonra, CLRCMOS1'da pin2 ve pin3'ü kapatmak için 5 saniye kadar bir jumper kapağı kullanın. Ancak, lütfen

BIOS'u güncelledikten sonra CMOS haklarını temizlemeyin. BIOS güncellemesini bitirdikten hemen sonra CMOS'u temizlemeniz gerekiyorsa, önce sistemi açmanız gerekir ve sonra CMOS temizleme eylemini yapmadan önce kapatmanız gerekir.

#### 1.4 Yerleşik Fişler ve Konektörler

Yerleşik fişler ve konektörler jumper DEĞİLDİR. Bu fişlerin ve konektörlerin üzerine jumper kapakları YERLEŞTİRMEYİN. Fişlerin ve konektörlerin üzerine jumper kapakları yerleştirmek anakartın kalıcı olarak zarar görmesine neden olabilir!

##### Seri ATAII Konektörler

(SATAII 1: bkz. s.2, No. 20)

(SATAII 2: bkz. s.2, No. 19)



Bu İki Seri ATAII (SATAII) konektör, dahili depolama cihazları için SATA veri kablolarını destekler. Geçerli SATAII arayüzü 3,0 Gb/sn veri aktarım hızına izin verir.

##### Seri ATA (SATA)

Veri Kablosu

(İsteğe bağlı)

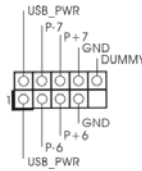


SATA veri kablosunu her iki ucu da SATA / SATAII sabit diskinde veya anakarttaki SATAII konektörüne bağlanabilir.

##### USB 2.0 Fişleri

(9-pinli USB6 7)

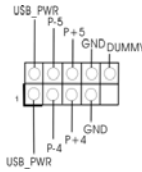
(bkz. s.2 No. 8)



G/Ç panelindeki varsayılan dört USB 2.0 portundan başka, bu anakartta iki USB 2.0 fişi bulunur. Her USB 2.0 fişi iki USB 2.0 portunu destekler.

(9-pinli USB4 5)

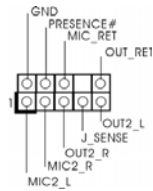
(bkz. s.2 No. 9)



##### Ön Panel Ses Fişi

(9-pinli HD SES1)

(bkz. s.2 No. 18)



Bu, panel ses kablosu için uygun bağlantı sağlayan ve ses cihazlarını kontrol etmeyi sağlayan bir arayüzdür.

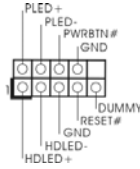
Türkçe



1. Yüksek Tanımlı Ses Jak Duyarlılığını destekler, ancak kasadaki panel kablusunun HDA'nın düzgün çalışmasını desteklemesi gerekir. Lütfen sisteminizi yüklemek için kılavuzumuzdaki ve kasa kılavuzundaki talimatları izleyin.
2. AC'97 ses paneli kullanıyorsanız, lütfen ön panel ses fişine aşağıdaki gibi takın:
  - A. Mic IN'i (MIC) MIC2 L'ye bağlayın.
  - B. Audio R'yi (RIN) OUT2 R'ye ve Audio L'yi (LIN) OUT2 L'ye bağlayın.
  - C. Ground'u (GND) Ground'a (GND) bağlayın.
  - D. MIC RET ve OUT RET yalnızca HD ses paneli içindir. Bunları AC'97 ses paneli için bağlamanız gerekmez.

#### Sistem Paneli Fişi

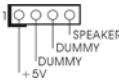
(9-pinli PANEL1)  
(bkz. s.2 No. 12)



Bu fiş, birçok sistem ön paneli işlevini barındırır.

#### Kasa Hoparlörü Fişi

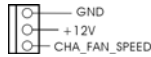
(4-pinli HOPARLÖR 1)  
(bkz. s.2 No. 13)



Lütfen kasa hoparlörünü bu fişe bağlayın.

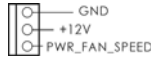
#### Kasa/güç Fan Konektörü

(3-pinli CHA\_FAN1)  
(bkz. s.2 No. 11)



Lütfen kasa fan kablolarını fanına bu konektöre bağlayın ve siyah kabloyu toprak pinine bağlayın.

(3-pinli PWR\_FAN1)  
(bkz. s.2 No. 1)



#### CPU Fan Konektörü

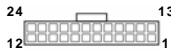
(3-pinli CPU\_FAN1)  
(bkz. s.2 No. 23)



Lütfen fan kablolarını CPU fanına bu konektöre bağlayın ve siyah kabloyu toprak pinine bağlayın.

#### ATX Güç Konektörü

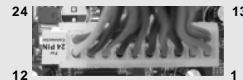
(24-pinli ATXPWR1)  
(bkz. s.2 No. 3)



Lütfen bir ATX güç kaynağını bu konektöre bağlayın.



Bu anakart 24-pinli ATX güç konektörü sağlasa da geleneksel bir 20-pinli ATX güç kaynağı bağlarsanız da çalışabilir. 20-pinli ATX güç kaynağını kullanmak için, lütfen güç kaynağınızı Pin 1 ve Pin 13'le birlikte takın.



20-Pinli ATX Güç Kaynağını Takma

## 2. BIOS Bilgileri

Anakarttaki Flash Bellek BIOS Ayarları Yardımcı Programını içerir. Bilgisayarı başlattığınızda, lütfen Otomatik Güç Sınaması (POST) sırasında BIOS Ayarları yardımcı programına girmek için <F2> tuşuna basın; aksi halde, POST test rutinlerine devam eder. BIOS Ayarlarına POST'tan sonra girmek istiyorsanız, lütfen <Ctl> + <Alt> + <Delete> tuşlarına basarak veya sistem kasaındaki sıfırlama düğmesine basarak sistemi yeniden başlatın. BIOS Ayarları programı kullanıcı dostu olacak şekilde tasarlanmıştır. Çeşitli alt menüler arasında dolaşmanıza ve önceden belirlenen seçenekler arasından seçim yapmanıza izin veren menü tabanlı bir programdır. BIOS Ayarları hakkında ayrıntılı bilgi için, lütfen Destek CD'sinde bulunan Kullanıcı Kılavuzu'na (PDF dosyası) başvurun.

## 3. Yazılım Destek CD'si bilgileri

Bu anakart çeşitli Microsoft® Windows® işletim sistemleri destekler: 7 / Vista™ / XP. Anakartla birlikte gelen Destek CD'si anakart özelliklerini genişleten gerekli sürücüler ve kullanışlı yardımcı programları içerir. Destek CD'sini kullanmaya başlamak için, CD'yi CDROM sürücünüze takın. Bilgisayarınızda "OTOMATİK KULLAN" özelliği etkinleştirilmişse, Ana Menü otomatik olarak görüntüler. Ana Menü otomatik olarak görüntülenmezse, menüleri görüntülemek için Destek CD'sinin "BIN" klasöründeki "ASSETUP.EXE" dosyasını bulun ve çift tıklayın.



## 1. 제품소개

ASRock의 PV530 메인 보드를 구매하여 주신것에 대하여 감사 드립니다. 이 메인 보드는 엄격한 품질관리 하에 생산되어진 신뢰성 있는 메인보드 입니다. 이 제품은 고 품격 디자인과 함께 ASRock의 우수한 품질과 최고의 안정성을 자랑하고 있습니다. 이 빠른 설치 안내서에는 마더보드에 대한 설명과 단계별 설치 방법이 실려 있습니다. 마더보드에 대한 보다 자세한 내용은 지원 CD의 사용 설명서에서 확인할 수 있습니다.



메인보드의 사양이나 바이오스가 업데이트 되기 때문에 이 사용자 설명서의 내용은 예고 없이 변경되거나 바뀔 수가 있습니다. 만일을 생각해서 이 사용자 설명서의 어떤 변경이 있으면 ASRock의 웹사이트에서 언제든지 업데이트를 하실 수 있습니다. 웹사이트에서 최신 VGA 카드와 CPU 지원 목록을 확인할 수 있습니다. ASRock의 웹사이트 주소는 <http://www.asrock.com> 입니다. 본 마더보드와 관련하여 기술 지원이 필요한 경우 당사 웹사이트를 방문하여 사용 중인 모델에 대한 특정 정보를 얻으십시오. [www.asrock.com/support/index.asp](http://www.asrock.com/support/index.asp)

### 1.1 패키지 내용

- ASRock PV530 마더보드  
(Micro ATX 폼 팩터: 8.5" X 6.7", 21.6 x 17.0 cm)
- ASRock PV530 퀵 설치 가이드
- ASRock PV530 지원 CD
- 시리얼 ATA (SATA) 데이터 케이블 2 개 (선택 사양)
- I/O 차폐 1 개



## 1.2 설명서

플랫폼	- Micro ATX 폼 팩터: 8.5" X 6.7", 21.6 x 17.0 cm - CPU 전원용 솔리드 콘덴서
CPU	- 번들 VIA® PV530 (1.8 GHz) - FSB800 MHz - 언타이드 오버클러킹(Untied Overclocking) 기술 지원 (주의 1 참조)
칩셋	- VIA® VX900
메모리	- DDR3 DIMM 슬롯 1 개 - DDR3 800 비-ECC, 언버퍼드 메모리를 지원 - 최대 시스템 메모리 용량: 4GB (주의 2 참조) - DDR2 DIMM 슬롯 2 개 - DDR2 800/667/533 비-ECC, 언버퍼드 메모리를 지원 - 최대 시스템 메모리 용량: 4GB (주의 2 참조)
확장 슬롯	- 1 개의 PCI Express 2.0 x16 슬롯 (파란색 x8 모드) - 1 개의 PCI 슬롯
온보드 VGA	- 내장형 VIA® Chrome9 HD DX9 Graphics - Pixel Shader 2.0, DX9.0 VGA - 최대 공유 메모리 512MB (주의 3 참조) - 최대 해상도 2048x1536 @ 75Hz 까지 D-Sub 지원
오디오	- 5.1CH HD 오디오 (VIA® VT1705 오디오 코덱)
랜	- Atheros® PCIe x1 LAN AR8132L - 속도 : 10-100 이더넷 - 웨이크-온-랜 지원
후면판 I/O	I/O Panel - 1 개 PS/2 마우스 포트 - 1 개 PS/2 키보드 포트 - 1 개의 병렬 포트: ECP/EPP 지원 오 디오 잭 - 1 개의 COM1 - 1 개의 VGA 포트 - 4 개 디폴트 USB 2.0 포트 - 1 개 LED(ACT/LINK LED 및 SPEED LED)가 있는 RJ-45 LAN 포트 - 라인 출력 / 라인 입력 / 마이크 폰 + 게임 포트

온보드 헤더 및 커넥터	<ul style="list-style-type: none"> <li>- 2 개의 Serial ATAII 3.0Gb/s 커넥터 (주의 4 참조)</li> <li>- CPU/ 새시/ 전원 팬 커넥터</li> <li>- 24 핀 ATX 전원 헤더</li> <li>- 전면부 오디오 콘넥터</li> <li>- USB 2.0 헤더 2개 (4 개의 USB 2.0 포트 지원)</li> </ul>
BIOS	<ul style="list-style-type: none"> <li>- 4Mb AMI BIOS</li> <li>- AMI 에 따른 바이오스 : “플러그 앤 플레이” 지원</li> <li>- ACPI 1.1 웨이크-업 이벤트와의 호환</li> <li>- 점퍼 프리 지원</li> <li>- SMBIOS 2.3.1 지원</li> </ul>
지원 CD	<ul style="list-style-type: none"> <li>- 드라이버, 유틸리티, 안티 바이러스 소프트웨어(트라이얼 버전), ASRock 소프트웨어 세트(CyberLink DVD 세트 및 크리에이티브 사운드 블라스터 X-Fi MB) (OEM 및 시험판)</li> </ul>
특점 및 특성	<ul style="list-style-type: none"> <li>- ASRock OC 튜너 (주의 5 참조)</li> <li>- Instant Boot</li> <li>- ASRock Instant Flash (주의 6 참조)</li> <li>- ASRock OC DNA (주의 7 참조)</li> <li>- 하이드브리 부스터:               <ul style="list-style-type: none"> <li>- CPU 주파수의 단계적인 조절 (주의 8 참조)</li> <li>- ASRock U-COP (주의 9 참조)</li> <li>- B.F.G..(Boot Failure Guard)</li> </ul> </li> </ul>
하드웨어 모니터	<ul style="list-style-type: none"> <li>- CPU 온도 감지</li> <li>- 마더보드 온도 감지</li> <li>- CPU/ 새시/ 전원 팬 회전 속도계:사시(케이스) 팬 회전 속도계</li> <li>- 전압 감시 기능 : +12V,+5V,+3.3V,Vcore</li> </ul>
OS	<ul style="list-style-type: none"> <li>- 마이크로 소프트 Windows® 7/Vista™/XP 와 호환</li> </ul>
인증서	<ul style="list-style-type: none"> <li>- FCC, CE, WHQL</li> <li>- ErP/EuP 지원(ErP/EuP 지원 전원 공급기가 요구됨) (주의 10 참조)</li> </ul>

\* 상세한 제품정보는 당사의 웹사이트를 방문할수있습니다. <http://www.asrock.com>



### 경고

오버클로킹에는 BIOS 설정을 조정하거나 Untied Overclocking Technology를 적용하거나 타업체의 오버클로킹 도구를 사용하는 것을 포함하여 어느 정도의 위험이 따른다는 것을 유념하십시오. 오버클로킹은 시스템 안정성에 영향을 주거나 심지어 시스템의 구성 요소와 장치에 손상을 입힐지도 모릅니다. 오버클로킹은 사용자 스스로 위험과 비용을 감수하고 해야 합니다. 당사는 오버클로킹에 의해 발생할 수 있는 손상에 대해서 책임이 없습니다.

### 주의!

1. 이 마더보드는 언타이드 오버클러킹 기술을 지원합니다. 자세한 내용은 15페이지의 '언타이드 오버클러킹 기술'을 읽으십시오.
2. 칩셋의 한계 때문에, Windows® OS에서 시스템 사용 예약을 위한 실제 메모리 크기가 4GB 미만으로 떨어질 수 있습니다.
3. 칩셋의 제조원이 정하였거나 그 번화를 한계하게 되는 최대 공유 메모리의 크기에 대하여, VIA® 의 웹사이트를 방문하여 최신 정보를 받으십시오.
4. SATAII 하드 디스크를 SATAII 커넥터에 연결하기 전에, 지원 CD의 'User Manual'(사용 설명서) 18페이지에 나와 있는 'SATAII Hard Disk Setup Guide'(SATAII 하드 디스크 설치 설명서)에 따라 SATAII 하드 디스크 드라이브를 SATAII 모드로 조정하십시오. 또한 SATA 하드 디스크를 SATAII 커넥터에 직접 연결할 수 있습니다.
5. 이것은 사용하기 쉬운 ASRock 오버클러킹 툴이며 당신으로 하여금, 하드웨어 모니터 기능으로 당신의 시스템을 감시하며 하드웨어 시설을 오버클러킹함으로써 Windows® 환경속에서 가장 우수한 시스템 작업을 실현합니다. 당사의 웹사이트를 방문하여 ASRock OC 튜너의 작업 절차를 이해할 수 있습니다.  
ASRock 웹사이트: <http://www.asrock.com>
6. ASRock Instant Flash는 플래시 ROM에 내장된 BIOS 유틸리티입니다. 이 편리한 BIOS 업데이트 툴을 사용하면 먼저 MS-DOS나 Windows® 같은 운영체제에 들어가지 않고도 시스템 BIOS를 업데이트할 수 있습니다. POST 중에 BIOS 셋업 메뉴에서 <F6> 키를 누르거나 <F2> 키를 누르면 이 유틸리티로 ASRock Instant Flash에 액세스할 수 있습니다. 이제 이를 시작하여 USB 플래시 드라이브, 플로피 디스크 또는 하드 드라이브에 새 BIOS 파일을 저장하면 플로피 디스켓이나 기타 복잡한 플래시 유틸리티를 추가로 준비하지 않고도 몇 번의 클릭만으로도 BIOS를 업데이트할 수 있습니다. USB 플래시 드라이브 또는 하드 드라이브는 FAT32/16/12 파일 시스템을 사용해야 합니다.



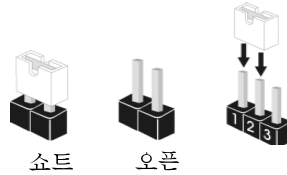
7. 소프트웨어 이름 자체에서 볼 수 있듯이 OC DNA는 문자 그대로 자신의 기능을 잘 드러내고 있습니다. ASRock이 개발한 특보적인 유틸리티인 OC DNA에서 사용자가 매우 편리하게 OC 설정을 기록하고 이를 다른 사용자와 공유할 수 있습니다. 이 소프트웨어를 사용하면 운영 체제에 오버클로킹 기록을 저장하여 오버클로킹 설정의 복잡한 기록 과정을 단순화하는데 도움이 됩니다. 또한 OC DNA를 사용하여 OC 설정을 프로파일로 저장하고 이를 친구와 공유할 수 있습니다! 이 경우 친구는 OC 프로파일을 자신의 시스템에 로드하여 사용자와 동일한 OC 설정을 불러올 수 있습니다! 단, OC 프로파일은 동일한 메인보드에서만 공유 및 사용이 가능합니다.
8. 본 마더보드는 직접 조절 기능을 제공하지만, 오버 클러킹을 하는 것은 권장되지 않습니다. 권장하는 CPU 주파수 외에 다른 주파수를 설정 시에는 시스템이 불안정해지거나, 메인보드와 CPU의 불량 발생 할 수 있으므로 가급적 사용 하지 마십시오.
9. 시스템을 다시 시작하기 전에 메인보드 위의 CPU 팬이 정상적으로 동작 또는 장착되어 있는지 확인하여 주십시오. 고온 방지를 위하여 PC 시스템을 설치할 때 CPU와 방열판 사이에 그리스를 발라 주셔야 합니다.
10. EuP는 Energy Using Product (에너지 사용 제품)의 약어이며 유럽 연합이 완제품 시스템의 전력 소비량을 정의하기 위해 제정한 표준이었습니다. EuP에 따르면, 완제품 시스템의 총 AC 전원은 끄기 모드 상태에서 1.00W 미만이어야 합니다. EuP 표준을 충족하려면 EuP 지원 마더보드 및 EuP 지원 전원공급장치가 필요합니다. 인텔(Intel)의 제안에 따르면 EuP 지원 전원공급장치는 5V 대기 전력 효율이 100mA 전류 소비 하에서 50%보다 높아야 한다는 기준을 충족해야 합니다. EuP 지원 전원공급장치를 선택하려면 전원공급장치 제조업체에 자세한 사항을 문의하시기 바랍니다.

완  
구  
어



### 1.3 점퍼 셋팅

그림은 점퍼를 어떻게 셋업 하는지를 보여줍니다. 점퍼 캡이 핀 위에 있을 때, 점퍼는 "쇼트"입니다. 점퍼 캡이 핀 위에 없을 때 점퍼는 "오픈"입니다. 그림은 3개의 핀 중 1-2번 핀이 "쇼트"임을 보여주는 것이며, 점퍼 캡이 이 두 핀 위에 있음을 보여주는 것입니다.



#### 점퍼

#### 세팅

PS2\_USB\_PWR1  
(2페이지, 2번 항목 참조)



PS/2 또는 USB23를 깨어나게 하기 위해서는 2번과 3번 핀을 "쇼트" 하여야 합니다.

참고: +5VSB 선택할 경우 2암페어 정도 높은 전류 공급을 요구합니다.

USB\_PWR2  
(2페이지, 22번 항목 참조)



USB01를 깨어나게 하기 위해서는 2번과 3번 핀을 +5V\_DUAL 하여야 합니다.

참고: +5V\_DUAL 선택할 경우 2암페어 정도 높은 전류 공급을 요구합니다. +5V\_DUAL을 선택하면, USB 장치가 시스템을 S3 (Suspend to RAM) 상태에서 해제할 수 있습니다.

USB\_PWR3  
(2페이지, 17번 항목 참조)



USB4\_5/6\_7를 깨어나게 하기 위해서는 2번과 3번 핀을 "쇼트" 하여야 합니다.

참고: +5VSB 선택할 경우 2암페어 정도 높은 전류 공급을 요구합니다.

CMOS 초기화  
(CLRCMOS1, 3핀 점퍼)  
(2페이지, 14번 항목 참조)



참고: CLRCMOS1은 CMOS의 데이터를 삭제할 수 있게 합니다. CMOS의 데이터는 시스템 암호, 날짜, 시간 및 시스템 설정 매개 변수와 같은 시스템 설정 정보를 포함합니다. 시스템 매개 변수를 삭제하고 기본 설정으로 초기화하려면 컴퓨터를 끄고 전원 코드를 뽑은 후 점퍼 캡을 사용하여 CLRCMOS1의 2번과 3번 핀을 5초간 단락시키십시오. CMOS를 초기화한 뒤, 반드시 점퍼 캡을 제거하여야 합니다. 바이오스 업데이트를 마친 후 CMOS를 삭제해야 하는 경우 CMOS 삭제 동작 전에 시스템을 먼저 부팅했다가 종료해야 합니다.

어  
무  
함



## 1.4 온보드 헤더 및 커넥터



주의!

온보드 헤더와 커넥터는 단자가 아닙니다. 점퍼 캡을 헤더와 커넥터에 씌우지 마십시오. 점퍼 캡을 헤더와 커넥터에 씌우면 마더보드가 영구적으로 손상됩니다!

### 시리얼 ATAII 커넥터

(SATAII\_1: 2페이지, 20번 항목 참조)

(SATAII\_2: 2페이지, 19번 항목 참조)

SATAII\_2



SATAII\_1

2개의 직렬 ATA (SATAII) 커넥터가 내부 저장 장치용 SATA 또는 SATAII HDD를 지원합니다. 커넥터가 내부 기억 장치용 SATAII 케이블을 지원합니다. 현재의 SATAII 인터페이스는최고 3.0 Gb/s의 데이터 전송 속도를 지원합니다.

### 시리얼 ATA(SATA) 데이터 케이블

(선택 사양)

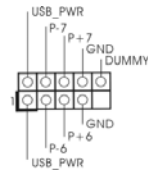


SATA 데이터 케이블의 어느 쪽이든 SATA / SATAII 하드 디스크나 마더보드의 SATAII 커넥터에 연결할 수 있습니다.

### USB 2.0 헤더

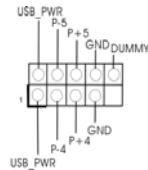
(9핀 USB6\_7)

(2페이지, 8번 항목 참조)



(9핀 USB4\_5)

(2페이지, 9번 항목 참조)

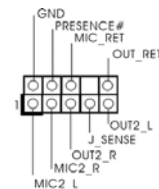


본 마더보드에는 I/O 패널에 있는 4개의 기본 USB 2.0 포트 외에도 USB 2.0 헤더가 2개 있습니다. 각각의 USB 2.0 헤더는 2개의 USB 2.0 포트를 지원할 수 있습니다.

### 전면부 오디오 콘넥터

(9핀HD\_AUDIO1)

(2페이지, 18번 항목 참조)



이 콘넥터는 오디오 장치를 편리하게 조절하고 연결할 수 있는 전면 오디오 인터페이스입니다.

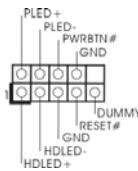




1. High Definition Audio(고음질 오디오)는 잭 센스 기능을 지원하나, 제대로 작동하려면 새시의 패널 와이어가 HAD를 지원해야 합니다. 이 설명서 및 새시 설명서의 지침을 따라 시스템을 설치하십시오.
2. AC' 97 오디오 패널을 사용하는 경우, 이를 아래와 같이 프런트 패널 오디오헤더에 설치하십시오.
  - A. Mic\_IN (MIC)을 MIC2\_L에 연결합니다.
  - B. Audio\_R (RIN)을 OUT2\_R에 연결하고, Audio\_L (LIN)을 OUT2\_L에 연결합니다.
  - C. Ground (GND)을 Ground (GND)에 연결합니다.
  - D. MIC\_RET 및 OUT\_RET는 HD 오디오 패널 전용입니다. 이들을 AC' 97 오디오 패널에 연결하지 않아도 됩니다.

#### 시스템 콘넥터

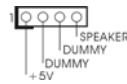
(9핀 PANEL1)  
(2페이지, 12번 항목 참조)



이 콘넥터는 시스템 전면 패널 기능을 지원하기 위한 것입니다.

#### 새시 스피커 헤더

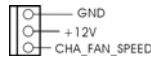
(4핀 SPEAKER1)  
(2페이지, 13번 항목 참조)



새시 스피커를 이 헤더에 연결하십시오.

#### 새시 및 전원 팬 커넥터

(3핀 CHA\_FAN1)  
(2페이지, 11번 항목 참조)



팬 케이블을 팬 커넥터에 연결하고 접지 핀에는 검은색 전선을 연결하십시오.

#### (3핀 PWR\_FAN1)

(2페이지, 1번 항목 참조)



#### CPU 팬 커넥터

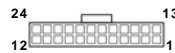
(3핀 CPU\_FAN1)  
(2페이지, 23번 항목 참조)



CPU 팬 케이블을 이 커넥터에 연결하고 흑색 선을 접지 핀에 맞추십시오.

#### ATX 전원 헤더

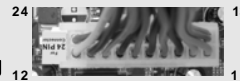
(24핀 ATXPWR1)  
(2페이지, 3항목 참조)



ATX 전원 공급기를 이 헤더에 연결하십시오.



이 마더보드는 24핀 ATX 전원 커넥터를 제공하지만, 종래의 20핀 ATX 전원공급장치를 사용해도 작동이 가능합니다. 20핀 ATX 전원 공급장치를 사용하려면, Pin 1과 Pin 13으로 전원공급장치를 연결하십시오.



20핀 ATX 전원 공급장치 설치

중  
하  
중

## 2. 시스템 바이오스 정보

메인보드의 플래쉬 메모리에는 바이오스 셋업 유틸리티가 저장되어 있습니다. 컴퓨터를 사용하실 때, “자가진단 테스트”(POST)가 실시되는 동안 <F2>키를 눌러 바이오스 셋업으로 들어가세요; 만일 그렇게 하지 않으면 POST는 테스트 루틴을 계속하여 실행할 것입니다. 만일 POST 이후 바이오스 셋업을 하기 원하신다면, <Ctrl>+<Alt>+<Delete>키를 누르거나, 또는 시스템 본체의 리셋 버튼을 눌러 시스템을 재 시작하여 주시기 바랍니다. 바이오스 셋업 프로그램은 사용하기 편하도록 디자인되어 있습니다. 각 항목은 다양한 서브 메뉴 표가 올라오며 미리 정해진 값 중에서 선택할 수 있도록 되어 있습니다. 바이오스 셋업에 대한 보다 상세한 정보를 원하신다면 보조 CD안의 포함된 사용자 매뉴얼(PDF 파일)을 따라 주시기 바랍니다.

## 3. 소프트웨어 지원 CD 정보

이 메인보드는 여러 가지 마이크로소프트 윈도우 운영 체계를 지원합니다: 7/ Vista™/XP. 메인보드에 필요한 드라이버와 사용자 편의를 위해 제공되는 보조 CD는 메인보드의 기능을 향상시켜 줄 것입니다. 보조 CD를 사용하여 시작하려면, CD-ROM 드라이브에 CD를 넣어주시기 바랍니다. 만일 고객님의 컴퓨터가 “AUTORUN”이 가능하다면 자동으로 메인 메뉴를 모니터에 디스플레이 시켜 줄 것입니다. 만일 자동으로 메인 메뉴가 나타나지 않는다면, 보조 CD의 디스플레이 메뉴 안에 있는 BIN 폴더의 ASSETUP.EXE 파일을 더블 클릭하여 주시기 바랍니다.

(D: \BIN \ASSETUP.EXE, D:는 CD-ROM 드라이브)