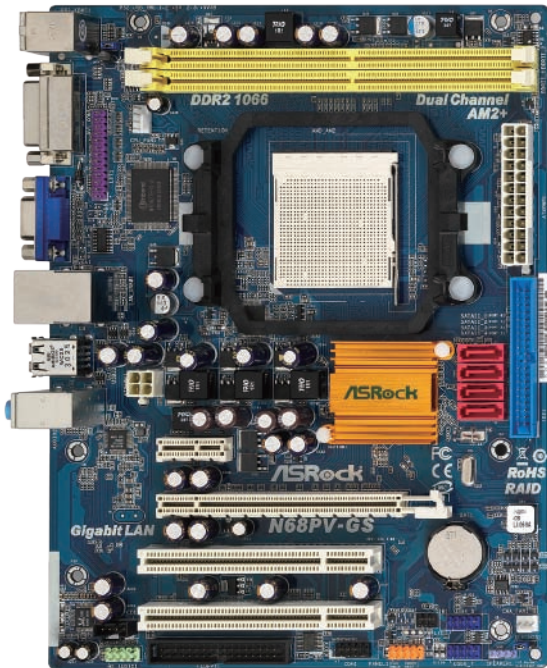


# N68PV-GS

NVIDIA® GeForce 7050 / nForce 630A MCP Chipset

**ASRock®**  
www.asrock.com



2x DDR2 1066

NVIDIA®  
GeForce 7  
DX9.0, PS 3.0

Intelligent  
Energy Saver

Smart BIOS

OC Tuner

## Product Brief <<<

- Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback
- NVIDIA® PureVideo™ Ready
- Gigabit LAN
- Supports Smart BIOS, ASRock OC Tuner (Up to 130% CPU frequency increase & 210% FSB Speed increase)
- Supports Extra ESD Protection, Intelligent Energy Saver (Up to 15% CPU Power Saving)

## Detail Specification <<<

<b>Platform</b>	- Micro ATX Form Factor: 9.6-in x 7.2-in, 24.4 cm x 18.3 cm
<b>CPU</b>	- Support for Socket AM2+ / AM2 processors: AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dual-Core / Athlon X2 Dual-Core / Athlon 64 / Sempron processor - Supports AMD's Cool 'n' Quiet Technology - FSB 1000 MHz (2.0 GT/s) - Supports Untied Overclocking Technology - Supports Hyper-Transport Technology
<b>Chipset</b>	- NVIDIA® GeForce 7050 / nForce 630A MCP
<b>Memory</b>	- Dual Channel DDR2 memory technology - 2 x DDR2 DIMM slots - Supports DDR2 1066/800/667/533 non-ECC, un-buffered memory - Max. capacity of system memory: 4GB
<b>Expansion Slot</b>	- 1 x PCI Express x16 slot - 1 x PCI Express x1 slot - 2 x PCI slots
<b>Graphics</b>	- Integrated NVIDIA® GeForce7 Series (NV44) - DX9.0 VGA, Pixel Shader 3.0 - Max. shared memory 256MB - Dual VGA Output: support DVI-D and D-Sub ports by independent display controllers - Supports HDCP function with DVI-D port - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback - NVIDIA® PureVideo™ Ready
<b>Audio</b>	- 5.1 CH Windows® Vista™ Premium Level HD Audio (ALC662 Audio Codec) - Chipset embedded HDMI Audio
<b>LAN</b>	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Realtek RTL8211CL - Supports Wake-On-LAN
<b>Rear Panel I/O</b>	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x VGA/D-Sub Port - 1 x VGA/DVI-D Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Line in / Front Speaker / Microphone
<b>Connector</b>	- 4 x Serial ATAII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 and JBOD), NCQ, AHCI and "Hot Plug" functions - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x COM port header - 1 x Print port header - CPU/Chassis FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - CD in header - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
<b>BIOS Feature</b>	- 4Mb AMI BIOS - AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - Supports Smart BIOS
<b>Support CD</b>	- Drivers, Utilities, AntiVirus Software (Trial Version)
<b>Unique Feature</b>	- ASRock OC Tuner - Intelligent Energy Saver - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.) - ASRock AM2 Boost: ASRock Patented Technology to boost memory performance up to 12.5%
<b>Hardware Monitor</b>	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, Vcore
<b>OS</b>	- Microsoft® Windows® 2000 / XP / XP 64-bit / Vista™ / Vista™ 64-bit compliant
<b>Certifications</b>	- FCC, CE
<b>Accessories</b>	- Quick Installation Guide, Support CD, I/O Shield - ATA 133 cables (optional) - 1 x SATA data cable (optional) - 1 x SATA 1 to 1 power cable (optional)

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

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## Overclocking Design

### ASRock OC Tuner:

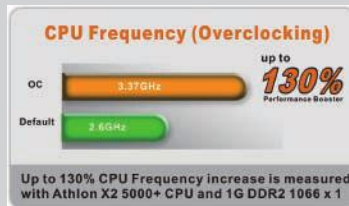
ASRock OC Tuner is a user-friendly and untied tool which allows you to guard your system by hardware monitor function and overclock your hardware devices to get the best system performance



- System Health
- Hardware Monitor
- Overclocking
- Voltage Control

### CPU Frequency (Overclocking):

ASRock OC Tuner allows you to overclock CPU to get the best system performance. By OC Tuner, you may overclock the frequency of FSB 1000MHz CPU from 2.6GHz to 3.37GHz, up to 130% performance boost; FSB speed can also be overclocked from 200MHz to 420MHz, up to 210% speed increase.



### Energy Saving :

Supports ASRock Intelligent Energy Saver (I.E.S)



CPU Power saving up to **15%**

### ASRock Extra ESD Protection Design :

The exclusive design of ASRock ESD (Electrostatic discharge) Protection gives extra antistatic protection of I/O panel, connector and other components on your motherboard. This function can help prevent static build up and reduce the damage to the motherboards



### Smart BIOS:

The Smart BIOS function can be found in the BIOS Setup Utility when you are setting up the optimal configuration for your system. It can facilitate the setting things by some default BIOS settings. Users may just select the BIOS mode that is most suitable to them.

