



## Products

## Motherboard Series

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## Z68 Pro3



- ASRock DuraCaps (2.5 x longer life time), 100% Japan-made high-quality Conductive Polymer Capacitors
- Supports Intel® K-Series unlocked CPU
- Supports Intel® Smart Response Technology ([ASRock Updates Intel® RST Driver For Intel® Smart Response Technology](#))
- Supports Dual Channel DDR3 2133(OC)
- Supports Intel® HD Graphics with Built-in Visuals
- Multi VGA Output options: D-Sub, DVI-D and HDMI
- 2 x USB 3.0 ports, 4 x SATA2 connectors
- Supports ASRock XFast USB, XFast LAN, Graphical UEFI, Lucid Virtu
- Combo Cooler Option (C.C.O.)
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec)
- Supports ASRock Extreme Tuning Utility (AXTU), Instant Boot, Instant Flash, Good Night LED, APP Charger, SmartView
- Free Software: Cyberlink MediaEspresso 6.5 Trial

This model may not be sold worldwide. Please contact your local dealer for the availability of this model in your region.

[Translate](#)[Enter into Z68 Zone »](#)

## Youtube Live Demo



ASRock Z68  
Motherboard Brief -  
Part 1 (Feature &  
Spec introduction)

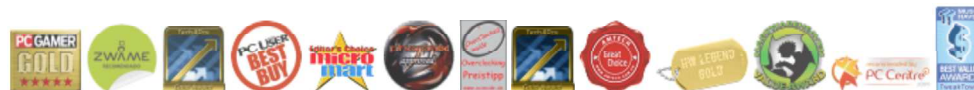


ASRock Z68  
Motherboard Brief -  
Part 2 (Lucid Virtu  
Switchable Graphics)



ASRock Z68  
Motherboard Brief -  
Part 3 (Intel Smart  
Response  
Technology)

## Awards



7/22/2011 [HardwareMX.com](#) - Gold

Excellent performance with less energy consumption- ASRock Z68 Pro3 motherboard receives Gold Award from hardwaremx.

## Product Specifications

General	
CPU	<ul style="list-style-type: none"><li>- Supports 2nd Generation Intel® Core™ i7 / i5 / i3 in LGA1155 Package</li><li>- Supports Intel® Turbo Boost 2.0 Technology</li><li>- Supports Intel® K-Series unlocked CPU</li><li>- Supports Hyper-Threading Technology</li></ul>
Chipset	- Intel® Z68
Memory	<ul style="list-style-type: none"><li>- Dual Channel DDR3 memory technology</li><li>- 4 x DDR3 DIMM slots</li><li>- Supports DDR3 2133(OC)/1866(OC)/1600/1333/1066 non-ECC, un-buffered memory</li><li>- Max. capacity of system memory: 32GB*</li><li>- Supports Intel® Extreme Memory Profile (XMP)</li></ul> <p>*Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® 32-bit OS. For Windows® 64-bit OS with 64-bit CPU, there is no such limitation.</p>
BIOS	<ul style="list-style-type: none"><li>- 64Mb AMI UEFI Legal BIOS with GUI support</li><li>- Supports "Plug and Play"</li><li>- ACPI 1.1 Compliance Wake Up Events</li><li>- Supports jumperfree</li><li>- SMBIOS 2.3.1 Support</li><li>- CPU Core, IGPU, DRAM, PCH, CPU PLL, VTT, VCCSA Voltage Multi-adjustment</li></ul>
Audio, Video and Networking	
Graphics	<ul style="list-style-type: none"><li>- Supports Intel® HD Graphics Built-in Visuals : Intel® Quick Sync Video, Intel® InTru™ 3D, Intel® Clear Video HD Technology, Intel® HD Graphics 2000/3000, Intel® Advanced Vector Extensions (AVX)</li><li>- Pixel Shader 4.1, DirectX 10.1</li><li>- Max. shared memory 1759MB</li><li>- Multi VGA Output options: D-Sub, DVI-D and HDMI</li><li>- Supports HDMI 1.4a Technology with max. resolution up to 1920x1200 @ 60Hz</li><li>- Supports DVI with max. resolution up to 1920x1200 @ 60Hz</li><li>- Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz</li><li>- Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI (Compliant HDMI monitor is required)</li><li>- Supports HDCP function with DVI and HDMI ports</li><li>- Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI and HDMI ports</li></ul>

	<p>*Due to chipset limitation, the Blu-ray playback of Intel® HD Graphics is only supported under Windows® Vista™ and Windows® 7.</p> <p>**Intel® InTru™ 3D is only supported under Windows® 7 and Windows® 7 x64.</p>
<b>Audio</b>	<ul style="list-style-type: none"> <li>- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec)</li> <li>- Premium Blu-ray audio support</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>- PCIE x1 Gigabit LAN 10/100/1000 Mb/s</li> <li>- Realtek RTL8111E</li> <li>- Supports Wake-On-LAN</li> <li>- Supports LAN Cable Detection</li> <li>- Supports Energy Efficient Ethernet 802.3az</li> <li>- Supports PXE</li> </ul>
<b>Expansion / Connectivity</b>	
<b>Slots</b>	<ul style="list-style-type: none"> <li>- 1 x PCI Express 2.0 x16 slot (blue @ x16 mode)</li> <li>- 3 x PCI Express 2.0 x1 slots</li> <li>- 2 x PCI slots</li> </ul>
<b>SATA3</b>	- 2 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10, RAID 5, Intel® Rapid Storage and Intel® Smart Response Technology), NCQ, AHCI and "Hot Plug" functions
<b>USB 3.0</b>	- 2 x USB 3.0 ports by Etron EJ168A, support USB 1.0/2.0/3.0 up to 5Gb/s
<b>Connector</b>	<ul style="list-style-type: none"> <li>- 4 x SATA2 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10, RAID 5, Intel® Rapid Storage and Intel® Smart Response Technology), NCQ, AHCI and Hot Plug functions</li> <li>- 2 x SATA3 6.0 Gb/s connectors</li> <li>- 1 x IR header</li> <li>- 1 x CIR header</li> <li>- 1 x COM port header</li> <li>- 1 x HDMI_SPDIF header</li> <li>- 1 x Power LED header</li> <li>- CPU/Chassis/Power FAN connector</li> <li>- 24 pin ATX power connector</li> <li>- 8 pin 12V power connector</li> <li>- Front panel audio connector</li> <li>- 2 x USB 2.0 headers (support 4 USB 2.0 ports)</li> </ul>
<b>Rear Panel I/O</b>	<p>I/O Panel</p> <ul style="list-style-type: none"> <li>- 1 x PS/2 Keyboard Port</li> <li>- 1 x VGA/D-Sub Port</li> <li>- 1 x VGA/DVI-D Port</li> <li>- 1 x HDMI Port</li> <li>- 1 x Optical SPDIF Out Port</li> <li>- 4 x Ready-to-Use USB 2.0 Ports</li> <li>- 2 x Ready-to-Use USB 3.0 Ports</li> <li>- 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)</li> <li>- HD Audio Jack: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone</li> </ul>
<b>Other Features / Miscellaneous</b>	
<b>Unique Feature</b>	<ul style="list-style-type: none"> <li>- ASRock Extreme Tuning Utility (AXTU)</li> <li>- ASRock Instant Boot</li> <li>- ASRock Instant Flash</li> <li>- ASRock APP Charger</li> <li>- ASRock SmartView</li> <li>- ASRock XFast USB</li> <li>- Lucid Virtu</li> <li>- <a href="#">Hybrid Booster</a>: <ul style="list-style-type: none"> <li>- CPU Frequency Stepless Control</li> <li>- ASRock U-COP</li> <li>- Boot Failure Guard (B.F.G.)</li> <li>- Combo Cooler Option (C.C.O.)</li> <li>- Good Night LED</li> </ul> </li> </ul>
<b>Support CD</b>	Drivers, Utilities, AntiVirus Software (Trial Version), ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial)
<b>Accessories</b>	<ul style="list-style-type: none"> <li>- Quick Installation Guide, Support CD, I/O Shield</li> <li>- 2 x SATA Data Cables (optional)</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>- CPU/Chassis Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature)</li> <li>- CPU/Chassis Fan Multi-Speed Control</li> <li>- Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>- ATX Form Factor: 12.0-in x 8.3-in, 30.5 cm x 21.1 cm</li> <li>- All Solid Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)</li> </ul>
<b>OS</b>	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
<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)</li> </ul>
<p><b>Caution:</b> Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS 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.</p>	

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