Z75 Pro3

Intel® Z75 Chipset

ASRock®
www.asrock.com

Compatible with Windows 7

intel® CHIPSET Z75 inside™

Supports intel® inside™ CORE™

ATI CROSS FIRE X™ TECHNOLOGY

5 XFast 5 USB SPEED

Internet Flash

Digi Power RAM Design

PCI-E 3.0

Intel HD Graphics

ASRock OMG

THX TruStudio™

VIRTU MVP Universal.GPU.Virtualization by Lucid

SYSTEM BROWSER

Intel® Smart Connect Technology

Intel® Rapid Start Technology

Detail Specification

Platform	- ATX Form Factor: 12.0-in x 7.6-in, 30.5 cm x 19.3 cm - All Solid Capacitor design
CPU	- Supports 3rd and 2nd Generation Intel® Core™ i7 / i5 / i3 in LGA1155 Package - Digi Power Design - 4 + 1 Power Phase Design - Supports Intel® Turbo Boost 2.0 Technology - Supports Intel® K-Series unlocked CPU - Supports Hyper-Threading Technology - Supports Intel® Rapid Start Technology and Smart Connect Technology with Intel® Ivy Bridge CPU
Chipset	- Intel® Z75
Memory	- Dual Channel DDR3 memory technology - 4 x DDR3 DIMM slots - Supports DDR3 2800+(OC)/2400(OC)/2133(OC)/1866(OC)/1600/1333/1066 non-ECC, un-buffered memory - Max. capacity of system memory: 32GB - Supports Intel® Extreme Memory Profile (XMP) 1.3 / 1.2
Expansion Slot	- 1 x PCI Express 3.0 x16 slot (PCIE2: x16 mode) * PCIE 3.0 is only supported with Intel® Ivy Bridge CPU. With Intel® Sandy Bridge CPU, it only supports PCIE 2.0. - 1 x PCI Express 2.0 x16 slot (PCIE3: x4 mode) - 1 x PCI Express 2.0 x1 slot - 2 x PCI slots - Supports AMD Quad CrossFireX™ and CrossFireX™
Graphics	* Intel® HD Graphics Built-in Visuals and the VGA outputs can be supported only with processors which are GPU integrated. - Supports Intel® HD Graphics Built-in Visuals : Intel® Quick Sync Video 2.0, Intel® InTru™ 3D, Intel® Clear Video HD Technology, Intel® Insider™, Intel® HD Graphics 2500/4000. - Pixel Shader 5.0, DirectX 11 with Intel® Ivy Bridge CPU. Pixel Shader 4.1, DirectX 10.1 with Intel® Sandy Bridge CPU. - Max. shared memory 1760MB - Dual VGA Output: support HDMI and D-Sub ports by independent display controllers - Supports HDMI 1.4a Technology with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI (Compliant HDMI monitor is required) - Supports HDCP function with HDMI port - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with HDMI port
Audio	- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec) - Premium Blu-ray audio support - Supports THX TruStudio™
LAN	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111E - Supports Wake-On-LAN - Supports LAN Cable Detection - Supports Energy Efficient Ethernet 802.3az - Supports PXE
Rear Panel I/O	I/O Panel - 1 x PS/2 Keyboard Port - 1 x D-Sub Port - 1 x HDMI Port - 4 x Ready-to-Use USB 2.0 Ports - 2 x Ready-to-Use USB 3.0 Ports - 1 x RJ-45 LAN Ports with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
SATA3	- 2 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 5, RAID 10 and Intel Rapid Storage), NCQ, AHCI and Hot Plug functions
USB 3.0	- 2 x Rear USB 3.0 ports, support USB 1.0/2.0/3.0 up to 5Gb/s - 1 x Front USB 3.0 header (supports 2 USB 3.0 ports), supports USB 1.0/2.0/3.0 up to 5Gb/s
Connector	- 4 x SATA2 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 5, RAID 10 and Intel Rapid Storage), NCQ, AHCI and Hot Plug functions - 2 x SATA3 6.0 Gb/s connectors - 1 x IR header - 1 x CIR header - 1 x COM port header - 1 x HDMI_SPDIF header - 1 x Power LED header - CPU/Chassis/Power FAN connector - 24 pin ATX power connector - 8 pin 12V power connector - Front panel audio connector - 3 x USB 2.0 headers (support 6 USB 2.0 ports) - 1 x USB 3.0 header (supports 2 USB 3.0 ports)
BIOS Feature	- 64Mb AMI UEFI Legal BIOS with GUI support - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - CPU Core, IGPU, DRAM, 1.8V PLL, VTT, VCCSA Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite - OEM

Unique Feature	- ASRock Extreme Tuning Utility (AXTU)
	- ASRock Instant Boot
	- ASRock Instant Flash
	- ASRock APP Charger
	- ASRock SmartView
	- ASRock XFast USB
	- ASRock XFast LAN
	- ASRock XFast RAM
	- ASRock Crashless BIOS
	- ASRock OMG (Online Management Guard)
	- ASRock Internet Flash
	- Lucid Virtu Universal MVP
	* Lucid Virtu Universal MVP can be supported only with processors which are GPU integrated.
	- ASRock On/Off Play Technology
	- Hybrid Booster:
	  - CPU Frequency Stepless Control
	  - ASRock U-COP
	  - Boot Failure Guard (B.F.G.)
	- Combo Cooler Option (C.C.O.)
	- Good Night LED

Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) - CPU/Chassis Fan Multi-Speed Control - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables (Optional)

Product Brief

- 100% All Solid Capacitor Design
- Digi Power Design
- Supports Dual Channel DDR3 2800+(OC)
- 1 x PCIe 3.0 x16 Slot, Supports AMD Quad CrossFireX™, CrossFireX™
- PCIE Gigabit LAN
- Supports Intel® HD Graphics with Built-in Visuals
- Dual-VGA Output Options : D-Sub, HDMI
- Combo Cooler Option (C.C.O.)
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec), Supports THX TruStudio™
- Supports ASRock XFast RAM, XFast LAN, XFast USB, OMG, Internet Flash, On/Off Play, UEFI System Browser
- Supports Intel Smart Connect, Intel Rapid Start, Lucid Virtu Universal MVP
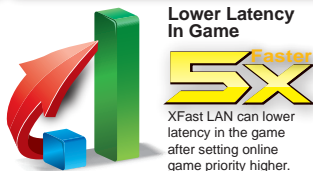- Free Bundle : CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite

555 XFast

5X LAN SPEED
5X SYSTEM SPEED
XFast RAM
XFast LAN
XFast USB
5X USB SPEED

XFast RAM
Fully Optimize Memory Usage

Photoshop Faster 5X

5X Faster for Photoshop Execution

XFast RAM will create a virtual disk from the system memory to boost the performance for Photoshop. It can even perform 5X faster than before.

XFast LAN
Faster Internet Access

Lower Latency In Game

Faster 5X

XFast LAN can lower latency in the game after setting online game priority higher.

Time latency in World of Warcraft: Cataclysm
*Lower is better
■ ASRock Motherboard with XFast LAN
■ Other Motherboard without XFast LAN

XFast USB
Boosts up your USB speed

USB Performance Comparison

Faster 5X

FNet
Power by FNet

ATTO Disk Benchmark 4K Read
■ ASRock Motherboard with XFast USB
■ Other Motherboard without XFast USB

● The performance boost percentage may vary with a different configuration.

Virtu Universal MVP - Uncompromised Game Response Performance

ASRock
VIRTU MVP
Universal.GPU.Virtualization
by Lucid
MVP

1. HyperFormance™ :

A new technology which combines integrated and discrete graphics for uncompromised performance and improves gaming frame rates 30-70%.

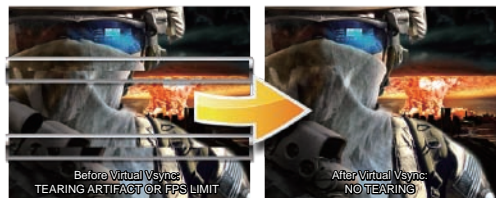**It's also supported with both ATI and NVIDIA graphics cards.**

3. Switchable Graphics :

Dynamically assigns tasks to the best graphics resource regardless of physical cable connections.

VIRTU MVP
Universal.GPU.Virtualization
by Lucid

2. Virtual Vsync :

A technology designed to solve the ever lasting debate between quality and performance. Bring GPU performance from 60 FPS Vsync limit back to its maximum while keeping Vsync image quality and no tearing.

Before Virtual Vsync:
TEARING ARTIFACT OR FPS LIMIT

After Virtual Vsync:
NO TEARING

Intel Smart Connect Technology

Intel Smart Connect Technology keeps content continuously updated while the PC is asleep! It will periodically wake up the PC while in a sleep state and check updates for things like email, Twitter, Facebook, etc.
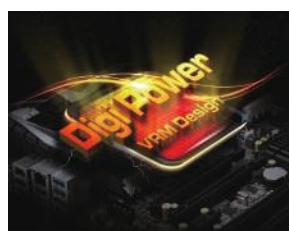
Intel Rapid Start Technology

Quickly return to where you left off with a PC that goes from deep-sleep to full awake in a flash.

Digi Power

By adopting digital Pulse-width modulation (PWM), the Z75 motherboard can provide CPU Vcore voltage more efficiently and smoothly.

4 x DDR3 2800+(OC)

ASRock 7-Series motherboards unlock maximum memory performance, coming with 4 DIMM slots for dual-channel memory, supporting up to DDR3 2800+(OC) MHz!

Next-Gen PCIe 3.0

- Higher bit rate - 8.0GT/s
- Higher bandwidth per lane - 1GB/s
- Higher efficiency - 98.5% encoding efficiency
- 100% backward compatible with previous PCI-E 2.0 / 1.0 standard

Note: Supported with 3rd Gen Intel Core Processor

ASRock OMG
(Online Management Guard)

Fast, Easy and Free – ASRock OMG technology allows you to establish an internet curfew or restrict internet access at specified times. Administrators are able to schedule the starting and ending hours of internet access granted to other users.

Internet Flash

Internet Flash searches for available UEFI firmware updates from ASRock servers. System can auto-detect the latest UEFI from our servers and flash them within UEFI setup without entering Windows ® OS.

Intel HD Graphics

Intel® HD Graphics, simplifies your designs by eliminating additional discrete graphics hardware, while integrating stunning visuals and performance for immersive gaming.

Intel® Quick Sync Video   Intel® InTru™ 3D   Intel® Clear Video HD Technology

Intel® Insider™   Intel® HD Graphics 2500/4000

THX TruStudio

Delivering the fullest audio experience for games, music and movies.

UEFI System Browser

UEFI system browser is a useful tool included in graphical UEFI. It can detect the devices and configurations that users are currently using in their PC.

On/Off Play

Enjoy great audio experience from the portable audio devices via PC speaker even when the system is powered off.

Cyberlink MediaEspresso 6.5 Trial

The fastest video media conversation software

MAGIX Multimedia Suite

The ultimate solutions to enhance your media experience. From music management, music creation, video editing to photo management. Simply do more with your media than you ever thought possible.