

# G41M-VS3 R2.0

Intel® G41+ ICH7 Chipsets

**ASRock**  
www.asrock.com



## Product Brief <<<

- Supports FSB1333/1066/800/533 MHz CPUs
- Supports Dual Channel DDR3 1333 (OC)
- Intel® Graphics Media Accelerator X4500, Pixel Shader 4.0, DirectX 10, Max. shared memory 1759MB
- Supports ASRock XFast USB, Instant Boot, Instant Flash, OC DNA, OC Tuner, IES, SmartView, APP Charger
- Free Bundle : CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial

## Detail Specification <<<

<b>Platform</b>	- Micro ATX Form Factor: 8.9-in x 6.7-in, 22.6 cm x 17.0 cm
<b>CPU</b>	- LGA 775 for Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Pentium® Dual Core / Celeron® Dual Core / Celeron®, supporting Pentium Quad Core Yorkfield and Dual Core Wolfdale processors - Supports FSB1333/1066/800/533 MHz - Supports Hyper-Threading Technology - Supports United Overclocking Technology - Supports EM64T CPU
<b>Chipset</b>	- Northbridge: Intel® G41 - Southbridge: Intel® ICH7
<b>Memory</b>	- Dual Channel DDR3 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 1333(OC)/1066/800 non-ECC, un-buffered memory - Max. capacity of system memory: 8GB
<b>Expansion Slot</b>	- 1 x PCI Express x16 slot - 1 x PCI slot
<b>Graphics</b>	- Intel® Graphics Media Accelerator X4500 - Pixel Shader 4.0, DirectX 10 - Max. shared memory 1759MB - Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz
<b>Audio</b>	- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)
<b>LAN</b>	- Atheros® PCIEx1 LAN AR8152 - Speed: 10/100 Ethernet - 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 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 SATAII 3.0 Gb/s connectors (No support for RAID and "Hot Plug" functions) - 1 x ATA100 IDE connector (supports 2 x IDE devices) - 1 x Print port header - 1 x COM port header - CPU/Chassis FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
<b>BIOS Feature</b>	- 8Mb AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - SMBIOS 2.3.1 Support - VCCM, NB, VTT, GTLRef Voltage Multi-adjustment
<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>Unique Feature</b>	- ASRock OC Tuner - Intelligent Energy Saver - Instant Boot - ASRock Instant Flash - ASRock OC DNA - ASRock AIWI - ASRock APP Charger - SmartView - ASRock XFast USB - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.)
<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, CPU Vcore
<b>OS</b>	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
<b>Certifications</b>	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
<b>Accessories</b>	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables (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.

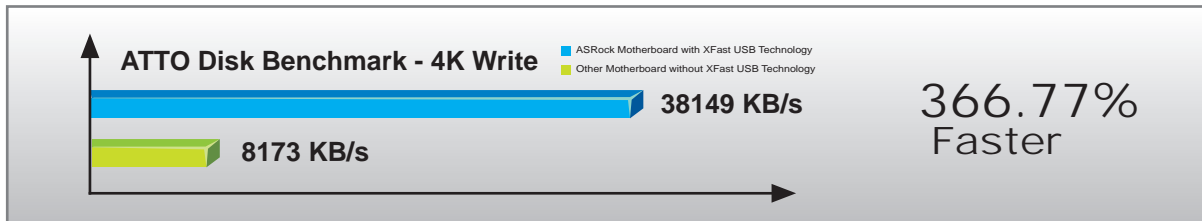
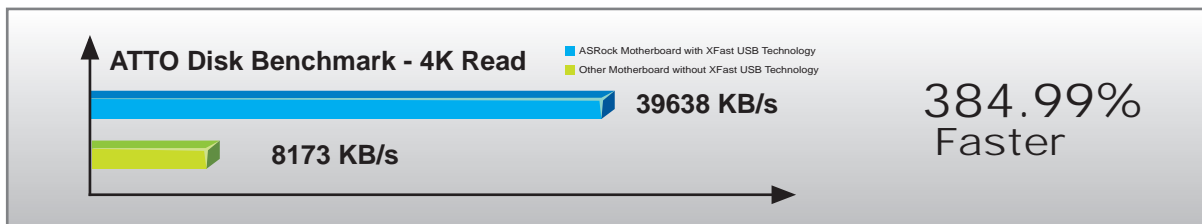
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## ASRock XFast USB Technology - Faster Than Your Imagination!

ASRock XFast USB Technology redefines the new standard in high performance computing. Proving once again to be the pioneer in motherboard industry, ASRock XFast USB Series Motherboards integrate with the latest XFast USB Technology which delivers the world's fastest USB data transfer speed. According to below graph, it shows that the ASRock XFast USB Technology can even boost USB 2.0 performance up to 384.99% faster!



## APP Charger - Fast Charge & Charge Anytime!



If you desire a faster, less restricted way of charging your Apple devices, such as iPhone/iPod/iPad Touch, ASRock has prepared a wonderful solution for you – ASRock App Charger. Simply installing the App Charger driver, it makes your iPhone charged much quickly from your computer and up to 40% faster than before\*. ASRock App Charger allows you to quickly charge many Apple devices simultaneously and even supports continuous charging when your PC enters into Standby mode (S1), Suspend to RAM(S3), hibernation mode (S4) or power off (S5)\*\*. With App Charger driver installed, you can easily enjoy the marvelous charging experience than ever.

PC Status / Charge Way	Working	Standby	Suspend to RAM	Hibernation	Shutdown	Charge time (Lower is Better)
	(S0)	(S1)	(S3)	(S4)	(S5)	
<b>ASRock App Charger</b>	<b>YES</b>	<b>YES**</b>	<b>YES**</b>	<b>YES**</b>	<b>YES**</b>	<b>Up to 40%* Faster</b>
<b>Traditional Design</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	

\* The charging capability may vary with different power supply design. The more +5V standby current provided, the better charge efficiency you get.

\*\* Please connect the devices to the PC USB ports before the PC enters S1/S3/S4/S5 mode to enable a fast charge.

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## ASRock Instant Boot



ASRock Instant Boot is a new feature invented exclusively by ASRock. It can boot up system in an amazing speed, which is 10 times faster than traditional boot up. For home users or office PC users, ASRock Instant Boot can also guarantee a clean Windows OS, and consumed less power! For details: <http://www.asrock.com/feature/InstantBoot/index.asp>

- \* This function is applicable ONLY to single user that does not secure ID and Password to their systems.
- \* The boot up time depends on the hardware configuration.

10 Times Faster, Only 4 Secs to Boot Up to Windows!

### ASRock YouTube

<http://tw.youtube.com/watch?v=BucljXZVxXo>



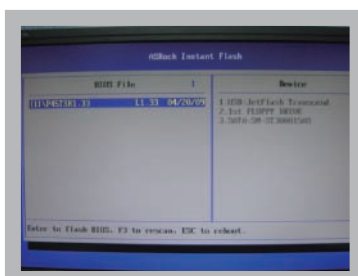
## ASRock Instant Flash

ASRock Instant Flash is an exclusive and the most user-friendly BIOS flash utility developed by ASRock. It is embedded in Flash ROM which is used to update the system BIOS without having to enter operating systems like MS-DOS or Windows.



### Features

Once executing ASRock Instant Flash, the utility will automatically detect all devices such as USB, hard disk or even floppy drive to find the exact BIOS for your system. Instead of giving you all BIOS in your devices, the Instant Flash just list BIOS versions that apply to your motherboard model only. For example, if you have many different BIOS of different motherboards saved in your devices, but you just need to flash your P45 motherboard, the Instant Flash will just list the P45 BIOS versions for you. This unique function allows you to easily select the suitable BIOS version instead of browsing through all data.



Instant Flash just list BIOS versions that apply to your motherboard model.

**Simple!**



Click and start Flashing!

**Quick!**

## SmartView

Experience the Brand New Browser Now

SmartView is the smart start page for IE that combines your most visited web sites, your history, your Facebook friends and your real-time newsfeed into an enhanced view for a more personal Internet experience. ASRock motherboards are exclusively equipped with the SmartView utility that helps you keep in touch with friends on-the-go.

### The Major Features of SmartView

Visual thumbnail images which categorize and rank your frequently visited websites, as well as provide a chronological view of your browser history.



A persistent, real-time Facebook newsfeed located within the Internet Explorer sidebar.



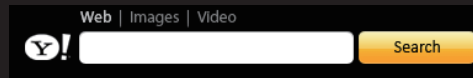
A "Friend Wall" that conveniently alphabetizes your Facebook friends by profile photo, allowing immediate access to your friends' profile pages.



A "share this" button which allows you to instantly and immediately share webpage posts and links to your friends' Facebook pages.



A persistent search box from best-in-class search engines such as Google, Yahoo, Baidu (China only) and Yandex (Russia only).



Two mode options that allow you to choose your favored view style.



Flow Mode



Flow Mode

#### System Requirements

OS version: Win7 32/64 bit, Vista 32/64

bit Browser version: IE8

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- ★ CyberLink Power2Go 6.1 LE OEM
- ★ CyberLink MediaShow 4.1 SE OEM
- ★ CyberLink PowerDVD 8.0 DTS Trial
- ★ CyberLink PowerDirector 8.0 Trial
- ★ CyberLink PowerBackup 2.5 Trial
- ★ Creative Sound Blaster X-Fi MB Trial

**CyberLink**



## CyberLink Power2Go 6.1 LE OEM

Power2Go 6 lets you burn and backup videos, photos, music and data onto Blu-ray Discs and DVDs.

## CyberLink MediaShow 4.1 SE OEM

Photo and video management software MediaShow edits videos and photos instantly, creates slideshow, and allows publishing directly to YouTube and Flickr.

## CyberLink PowerDVD 8.0 DTS Trial

World-renowned PowerDVD 8 DTS delivers outstanding DVD movie playback quality on your PC.

## CyberLink PowerDirector 8.0 Trial

PowerDirector - Video Editing software – edits high-definition videos including AVCHD, allows output to PSP iPod and Blu-ray Disc.

## CyberLink PowerBackup 2.5 Trial

PowerBackup backups valuable data on your PC.

## Creative Sound Blaster X-Fi MB Trial

The Sound Blaster X-Fi MB solution provides premium audio quality, effects and features for PC systems equipped with onboard audio.

For gamers, the EAX® ADVANCED HD 4.0, with its state-of-the-art Multi-Environment rendering and reverb modelling, delivers a much more realistic and immersive 3D gaming experience than your motherboard audio ever will.