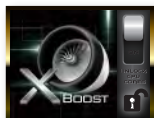
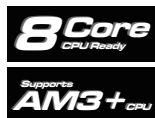
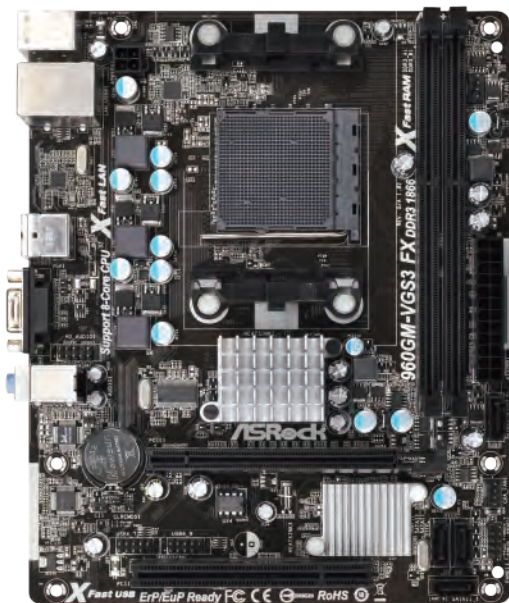


# 960GM-VGS3 FX

AMD 760G + SB710 Chipsets

**ASRock**  
www.asrock.com



X-Boost

Google Chrome  
Browser & Toolbar

## Product Brief

- Solid Capacitor for CPU power
- Supports AM3+ Processor, 8-Core CPU
- Supports Dual Channel DDR3 1866(OC)
- 5.1 CH HD Audio (Realtek ALC662 Audio Codec)
- Supports ASRock X-Boost, XFast 555, App Charger
- Free Bundle : CyberLink MediaEspresso 6.5 Trial, Google Chrome Browser and Toolbar

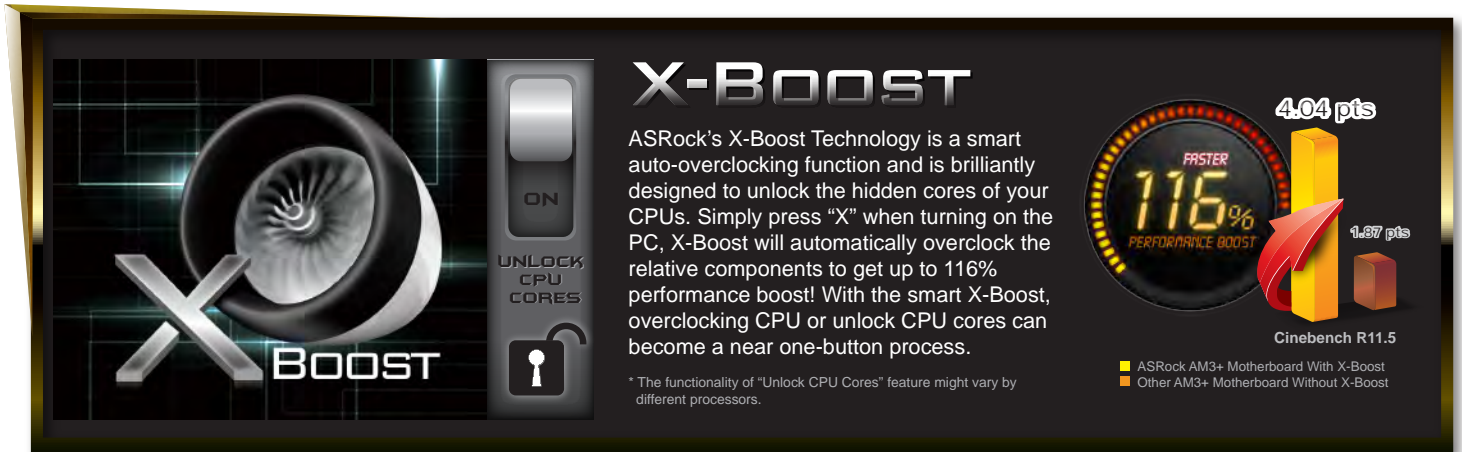
## Detail Specification

<b>Platform</b>	<ul style="list-style-type: none"> <li>- Micro ATX Form Factor</li> <li>- Solid Capacitor for CPU power</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>- Support for Socket AM3+ processors</li> <li>- Support for Socket AM3 processors: AMD Phenom™ II X6 / X4 / X3 / X2 (except 920 / 940) / Athlon II X4 / X3 / X2 / Sempron processors</li> <li>- Supports 8-Core CPU</li> <li>- Supports AMD OverDrive™ with ACC feature (Advanced Clock Calibration)</li> <li>- AMD LIVE™ Ready</li> <li>- Supports AMD's Cool 'n' Quiet Technology</li> <li>- FSB 2600 MHz (5.2 GT/s)</li> <li>- Supports Unlited Overclocking Technology</li> <li>- Supports Hyper-Transport 3.0 (HT 3.0) Technology</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>- Northbridge: AMD 760G</li> <li>- Southbridge: AMD SB710</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>- Dual Channel DDR3 memory technology</li> <li>- 2 x DDR3 DIMM slots</li> <li>- Supports DDR3 1866(OC)/1600(OC)/1333/1066 non-ECC, un-buffered memory</li> <li>- Max. capacity of system memory: 16GB</li> </ul>
<b>Expansion Slot</b>	<ul style="list-style-type: none"> <li>- 1 x PCI Express 2.0 x16 slot (PCIe1 @ x16 mode)</li> <li>- 1 x PCI slot</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>- Integrated AMD Radeon 3000 graphics</li> <li>- DX10 class iGPU, Pixel Shader 4.0</li> <li>- Max. shared memory 512MB</li> <li>- Supports D-Sub with max. resolution up to 2048x1536 @ 60Hz</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>- 5.1 CH HD Audio (Realtek ALC662 Audio Codec)</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>- PCIe x1 Gigabit LAN 10/100/1000 Mb/s</li> <li>- Atheros® AR8151</li> <li>- Supports Wake-On-LAN</li> <li>- Supports PXE</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 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>- 4 x SATA2 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10 and JBOD), NCQ, AHCI and "Hot Plug" functions</li> <li>- 1 x Chassis Intrusion header</li> <li>- 1 x CPU Fan connector (4-pin)</li> <li>- 1 x Chassis Fan connector (4-pin)</li> <li>- 24 pin ATX power connector</li> <li>- 4 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>BIOS Feature</b>	<ul style="list-style-type: none"> <li>- 8Mb AMI Legal BIOS</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, VCCM, NB Voltage Multi-adjustment</li> </ul>
<b>Support CD</b>	<ul style="list-style-type: none"> <li>- Drivers, Utilities, AntiVirus Software (Trial Version), AMD OverDrive™ Utility, CyberLink MediaEspresso 6.5 Trial, Google Chrome Browser and Toolbar</li> </ul>
<b>Unique Feature</b>	<ul style="list-style-type: none"> <li>- ASRock OC Tuner</li> <li>- ASRock Intelligent Energy Saver</li> <li>- ASRock Instant Boot</li> <li>- ASRock Instant Flash</li> <li>- ASRock OC DNA</li> <li>- ASRock APP Charger</li> <li>- ASRock XFast USB</li> <li>- ASRock XFast LAN</li> <li>- ASRock XFast RAM</li> <li>- ASRock X-Boost</li> <li>- Hybrid Booster: <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> </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 Fan Tachometer</li> <li>- Chassis Fan Tachometer</li> <li>- CPU Quiet Fan</li> <li>- CPU Fan Multi-Speed Control</li> <li>- CASE OPEN detection</li> <li>- Voltage Monitoring: +12V, +5V, +3.3V, Vcore</li> </ul>
<b>OS</b>	<ul style="list-style-type: none"> <li>- Microsoft® Windows® 8 / 8 64-bit / 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP Media Center / XP 64-bit 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)</li> </ul>
<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</li> </ul>

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**X-BOOST**

ASRock's X-Boost Technology is a smart auto-overclocking function and is brilliantly designed to unlock the hidden cores of your CPUs. Simply press "X" when turning on the PC, X-Boost will automatically overclock the relative components to get up to 116% performance boost! With the smart X-Boost, overclocking CPU or unlock CPU cores can become a near one-button process.

\* The functionality of "Unlock CPU Cores" feature might vary by different processors.

**4.04 pts**  
**116% FASTER PERFORMANCE BOOST**  
**1.87 pts**  
Cinebench R11.5

■ ASRock AM3+ Motherboard With X-Boost  
■ Other AM3+ Motherboard Without X-Boost



**XFast RAM**  
Fully Optimize Memory Usage

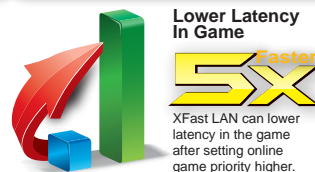


### 5X Faster for Photoshop Execution

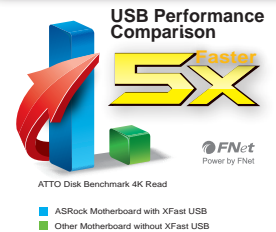
XFast RAM will create a virtual disk from the system memory to boost the performance. For Photoshop, it can even perform 5X faster than before.

\* The performance boost percentage may vary with a different configuration.

**XFast LAN**  
Faster Internet Access



**XFast USB**  
Boosts up your USB speed



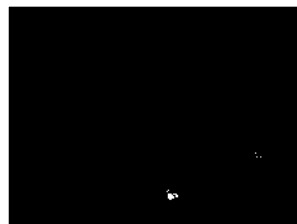
## AM3+ 8-Core Processor Support

Supporting socket AM3+ and 8-Core CPU, this board is designed to build up the most powerful system and deliver the most demanding technology for advanced users. Just enjoy next generation computing with ASRock 8-Core CPU ready motherboard!



## Combo Cooler Retention Module

The unique combo cooler retention module greatly improves heat dissipation and is backward compatible with AMD previous AM3/AM2+ CPU coolers.



## Cyberlink MediaEspresso 6.5 Trial

CyberLink MediaEspresso 6.5 trial supports hardware transcoding and is optimized to accelerate conversion of all your favorite media files for your favorite portable players.



## Google Chrome Browser & Toolbar

Chrome is a fast, simple, and secure web browser, built for the modern web. Google Toolbar is designed to help you find what you're looking for quickly and discover new things along the way. Now ASRock has both Chrome and Google Toolbar bundled with our motherboards so users may enjoy better internet surfing experiences.

