970 Extreme3
AMD 970 + SB950 Chipsets

ASRock®
www.asrock.com

Compatible with
Windows® 7

9-SERIES CHIPSET
AMD

AMD 970 CHIPSET
AM3+ SOCKET

FX VISION
AMD

ATI CROSS FIRE X™ TECHNOLOGY

On/Off Play

THX TruStudio®

8 Core CPU Ready

Supports AM3+ CPU

Turbo UCC One Click
for All-in-One Function !

Trial! MediaEspresso 6.5

X Fast LAN
Faster Internet Access

X Fast USB
Boosts up your USB speed

AXTU

UEFI

Detail Specification

Platform	- ATX Form Factor: 12.0-in x 8.6-in, 30.5 cm x 21.8 cm - All Solid Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)
CPU	- Support for Socket AM3+ processors - Support for Socket AM3 processors: AMD Phenom™ II X6 / X4 / X3 / X2 (except 920 / 940) / Athlon II X4 / X3 / X2 / Sempron processors - Supports 8-Core CPU - Supports UCC feature (Unlock CPU Core) - V4 + 1 Power Phase Design - Supports CPU up to 140W - Supports AMD's Cool 'n' Quiet Technology - FSB 2400 MHz (4.8 GT/s) - Supports Untied Overclocking Technology - Supports Hyper-Transport 3.0 (HT 3.0) Technology
Chipset	- Northbridge: AMD 970 - Southbridge: AMD SB950
Memory	- Dual Channel DDR3 memory technology - 4 x DDR3 DIMM slots - Supports DDR3 2100(OC)/1866/1600/1333/1066/800 non-ECC, un-buffered memory - Max. capacity of system memory: 64GB
Expansion Slot	- 2 x PCI Express 2.0 x16 slots (PCIE2 @ x16 mode; PCIE4 @ x4 mode) - 2 x PCI Express 2.0 x1 slots - 2 x PCI slots - Supports AMD™ Quad CrossFireX™ and CrossFireX™
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 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Coaxial SPDIF Out Port - 1 x Optical SPDIF Out Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x eSATA3 Connector - 2 x Ready-to-Use USB 3.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
SATA3	- 5 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 5 and RAID 10), NCQ, AHCI and "Hot Plug" functions
USB 3.0	- 2 x Rear USB 3.0 ports by Etron EJ168A, support USB 1.0/2.0/3.0 up to 5Gb/s
Connector	- 5 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)
BIOS Feature	- 32Mb 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, VCCM, NB, SB Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial, AMD OverDrive™ Utility, ASRock Software Suite (CyberLink DVD Suite - OEM and 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 On/Off Play Technology
	- Hybrid Booster:
	   - CPU Frequency Stepless Control
	   - ASRock U-COP
	   - Boot Failure Guard (B.F.G.)
	- Turbo UCC

Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU/Chassis Quiet Fan - CPU/Chassis Fan Multi-Speed Control - Voltage Monitoring: +12V, +5V, +3.3V, 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

- ASRock DuraCap (2.5 x longer life time), 100% Japan-made high-quality Conductive Polymer Capacitors

- Supports AM3+ Processor, 8-Core CPU

- Supports Dual Channel DDR3 2100(OC)

- Supports AMD Quad CrossFireX™ and CrossFireX™

- 2 x USB 3.0, 5 x SATA3, 1 x eSATA3

- Supports XFast USB, XFast LAN Technologies

- Supports On/Off Play Technology, Graphical UEFI BIOS, AXTU, APP Charger, SmartView, Turbo UCC

- 7.1 CH HD Audio with Content Protection, supports THX TruStudio™

- Free Bundle : CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite

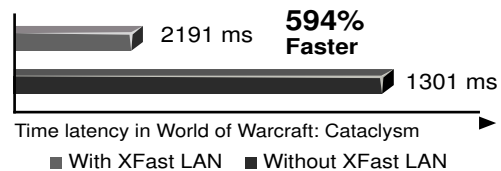## XFast LAN Technology

XFast LAN
Faster Internet Access

1 ### LAN Application Prioritization

You can configure your application priority ideally and/or add new programs.

2 ### Lower Latency In Game

2191 ms **594% Faster**

1301 ms

Time latency in World of Warcraft: Cataclysm
■ With XFast LAN   ■ Without XFast LAN

After setting online game priority higher in XFast LAN, it can lower the latency in game.

3 ### Traffic Shaping

You Tube HD

You can watch Youtube HD video and download files simultaneously.

4 ### Real-Time Analysis Of Your Data

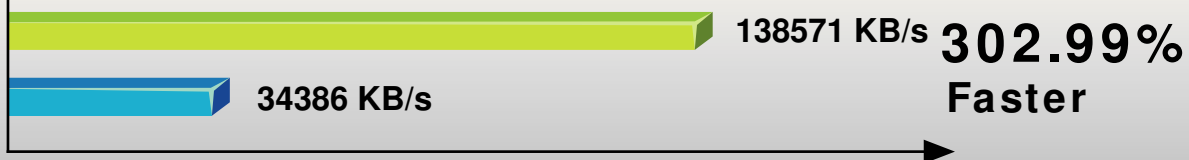With the status window, you can easily recognize which data streams you are currently transferring.

XFast USB Technology

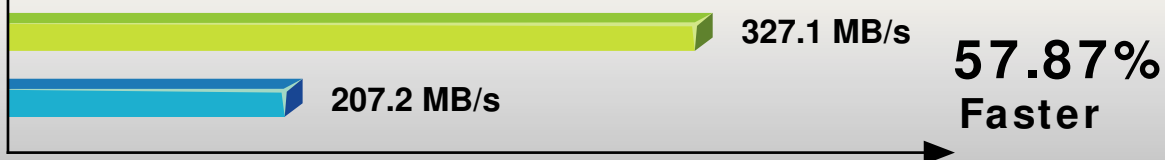The world's fastest USB transfer speed.

XFast USB
Boosts up your USB speed

USB 3.0 Benchmark

ATTO Disk Benchmark - 4K Write

■ ASRock 970 Extreme3 with XFast USB Technology
■ ASUS M5A97 without XFast USB Technology

138571 KB/s **302.99% Faster**

34386 KB/s

ATTO Disk Benchmark - 4K Read

■ ASRock 970 Extreme3 with XFast USB Technology
■ ASUS M5A97 without XFast USB Technology
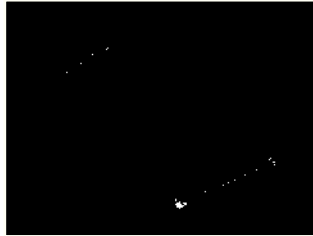
327.1 MB/s **57.87% Faster**

207.2 MB/s

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.

On/Off Play

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

AMD CrossFireX

Supports AMD™ Quad CrossFireX™, 3-Way CrossFireX™ and CrossFireX™

Graphical UEFI

* Graphical Visual Experience
* Mouse Enabling
* Supports 3TB bootable HDD

Cyberlink MediaEspresso 6.5 Trial

The fastest video media conversation software

THX TruStudio

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

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.

AXTU

ASRock Extreme Tuning Utility (AXTU) is an all-in-one software to fine-tune different features in an userfriendly interface, which includes Hardware Monitor, Fan Control, Overclocking, OC DNA and IES.

Turbo UCC
The All-in-One Solution

v Overclocking
v Unlock CPU Core
v Power Saving