970 Pro3 R2.0

AMD 970 + SB950 Chipsets

ASRock
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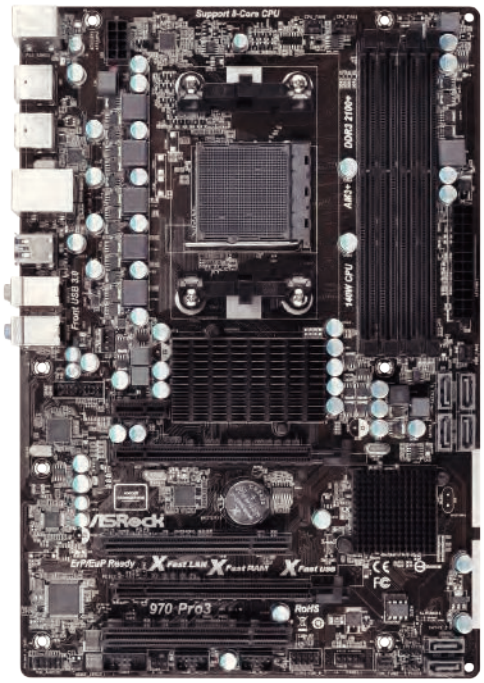
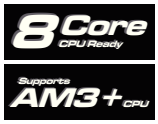
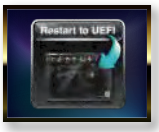




X-Boost

Fast Boot



Restart to UEFI

Google Chrome Browser & Toolbar

Dehumidifier

Product Brief

- 100% All Solid Capacitor design
- Supports AM3+ Processor, 8-Core CPU
- Supports Dual Channel DDR3 2100+ (OC)
- 2 x PCIe 2.0 x16 Slots, Support AMD Quad CrossFireX™ and CrossFireX™
- 4 x USB 3.0 (2 Front, 2 Rear), 6 x SATA3
- Supports XFast 555, X-Boost, Fast Boot, Restart to UEFI, Dehumidifier, OMG, Internet Flash
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec), supports THX TruStudio™
- Free Bundle : CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite, Google Chrome Browser and Toolbar

Detail Specification

Platform	- ATX Form Factor - All Solid Capacitor design
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) - 4 + 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(OC)/1800(OC)/1600(OC)/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; PCIE3: x4 mode) - 1 x PCI Express 2.0 x1 slot - 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 - 6 x Ready-to-Use USB 2.0 Ports - 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	- 6 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 EJ188H, support USB 1.1/2.0/3.0 up to 5Gb/s - 1 x Front USB 3.0 header (supports 2 USB 3.0 ports) by Etron EJ188H, supports USB 1.1/2.0/3.0 up to 5Gb/s
Connector	- 6 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 - 2 x CPU Fan connectors (1 x 4-pin, 1 x 3-pin) - 2 x Chassis Fan connectors (1 x 4-pin, 1 x 3-pin) - 1 x Power Fan connector (3-pin) - 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	- 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 MAGIX Multimedia Suite - OEM, Google Chrome Browser and Toolbar

Unique Feature	- ASRock Extreme Tuning Utility (AXTU)
	- ASRock Instant Boot
	- ASRock Instant Flash
	- ASRock APP Charger
	- ASRock XFast USB
	- ASRock XFast LAN
	- ASRock XFast RAM
	- ASRock Crashless BIOS
	- ASRock OMG (Online Management Guard)
	- ASRock Internet Flash
	- ASRock On/Off Play Technology
	- ASRock UEFI System Browser
	- ASRock Dehumidifier Function
	- ASRock Fast Boot
	- ASRock X-Boost
	- ASRock Restart to UEFI
	- Hybrid Booster:
	  - CPU Frequency Stepless Control
	  - ASRock U-COP
	  - Boot Failure Guard (B.F.G.)
	- Good Night LED

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® 8 / 8 64-bit / 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

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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XFast RAM
Fully Optimize Memory Usage

XFast LAN
Faster Internet Access

XFast USB
Boosts up your USB speed

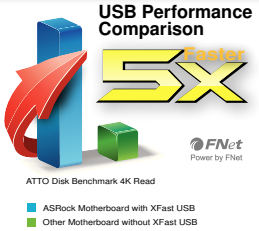
5X Faster for Photoshop Execution

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.

Lower Latency In Game

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



USB Performance Comparison

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.

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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.

4 USB 3.0 (2 Front, 2 Rear)

Rich storage options! This motherboard offers 4 USB 3.0 (2 from onboard header, 2 from rear I/O) to facilitate computing environment.

ASRock Dehumidifier

Users may prevent motherboard damages due to dampness by enabling “Dehumidifier Function”. When enabling Dehumidifier Function, the computer will power on automatically to dehumidify the system after entering S4/S5 state.

ASRock OMG (Online Management Guard)

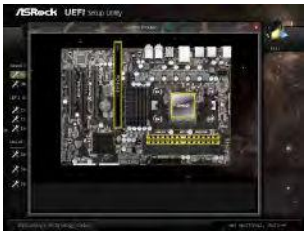
Fast, Easy and Free – ASRock OMG technology allows you to establish an internet curfew or restrict internet access at specified times. Administrators are able to schedule the starting and ending hours of internet access granted to other users.

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.

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.



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.

THX TruStudio

THX TruStudio is specially designed to bring the same great audio experience found in live performances, films, and recording studios to the PC.