

N68C-GS FX

NVIDIA® GeForce 7025 / nForce 630a

ASRock
www.asrock.com



Product Brief

- Supports AM3+ Processor, 8-Core CPU
- Supports Dual Channel DDR3 1600 / DDR2 1066
- Integrated NVIDIA® GeForce 7025 graphics, DX9.0 VGA, Pixel Shader 3.0
- Gigabit LAN 10/100/1000 Mb/s
- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)
- Supports ASRock XFast USB, XFast LAN Technologies
- Supports ASRock Instant Boot, Instant Flash, OC DNA, APP Charger, SmartView
- Free Bundle : CyberLink MediaEspresso 6.5 Trial + ASRock MAGIX Multimedia Suite

Detail Specification

Platform	- Micro ATX Form Factor: 9.6-in x 8.2-in, 24.4 cm x 20.8 cm
CPU	<ul style="list-style-type: none">- Support for Socket AM3+ processors: AMD Phenom™ II X6 / X4 / X3 / X2 (except 920 / 940) / Athlon II X4 / X3 / X2 / Sempron processors- Support for Socket AM2+ / AM2 processors: AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dual-Core / Athlon X2 Dual-Core / Athlon 64 / Sempron processor- Supports 8-Core CPU- Supports UCC feature (Unlock CPU Core)- Supports AMD's Cool 'n' Quiet Technology- FSB 1000 MHz (2.0 GT/s)- Supports Untied Overclocking Technology- Supports Hyper-Transport Technology
Chipset	- NVIDIA® GeForce 7025 / nForce 630a
Memory	<ul style="list-style-type: none">- Dual Channel DDR3/DDR2 memory technology- 2 x DDR3 DIMM slots- Supports DDR3 1600/1333/1066/800 non-ECC, un-buffered memory- Max. capacity of system memory: 8GB- 2 x DDR2 DIMM slots- Supports DDR2 1066/800/667/533 non-ECC, un-buffered memory- Max. capacity of system memory: 8GB
Expansion Slot	<ul style="list-style-type: none">- 1 x PCI Express x16 slot- 1 x PCI Express x1 slot- 2 x PCI slots
Graphics	<ul style="list-style-type: none">- Integrated NVIDIA® GeForce 7025 graphics- DX9.0 VGA, Pixel Shader 3.0- Max. shared memory 256MB- Supports D-Sub with max. resolution up to 1920x1440 @ 60Hz
Audio	- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)
LAN	<ul style="list-style-type: none">- Gigabit LAN 10/100/1000 Mb/s- Giga PHY Realtek RTL8211CL- Supports Wake-On-LAN- Supports PXE
Rear Panel I/O	<ul style="list-style-type: none">- I/O Panel- 1 x PS/2 Mouse Port- 1 x PS/2 Keyboard Port- 1 x Serial Port: COM1- 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
Connector	<ul style="list-style-type: none">- 4 x SATA2 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 and JBOD), NCQ and "Hot Plug" functions- 1 x ATA133 IDE connector (supports 2 x IDE devices)- 1 x Floppy connector- 1 x Print Port header- CPU/Chassis/Power FAN connector- 24 pin ATX power connector- 4 pin 12V power connector- CD in header- Front panel audio connector- 3 x USB 2.0 headers (support 6 USB 2.0 ports)
BIOS Feature	<ul style="list-style-type: none">- 8Mb AMI Legal BIOS- Supports "Plug and Play"- ACPI 1.1 Compliance Wake Up Events- Supports jumperfree- SMBIOS 2.3.1 Support- CPU, VCCM, NB Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial, ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial; ASRock MAGIX Multimedia Suite - OEM)
Unique Feature	<ul style="list-style-type: none">- ASRock OC Tuner- ASRock Intelligent Energy Saver- ASRock Instant Boot- ASRock Instant Flash- ASRock OC DNA- ASRock APP Charger- ASRock SmartView- ASRock XFast USB- ASRock XFast LAN- Hybrid Booster:<ul style="list-style-type: none">- CPU Frequency Stepples Control- ASRock U-COP- Boot Failure Guard (B.F.G.)- ASRock AM2 Boost: ASRock Patented Technology to boost memory performance up to 12.5%
Hardware Monitor	<ul style="list-style-type: none">- CPU Temperature Sensing- Chassis Temperature Sensing- CPU/Chassis/Power Fan Tachometer- CPU Quiet Fan- 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
Accessories	<ul style="list-style-type: none">- Quick Installation Guide, Support CD, I/O Shield- 2 x SATA data cables (optional)

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XFast LAN Technology

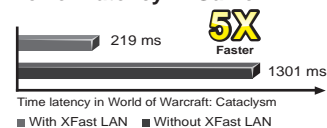


• LAN Application Prioritization



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

• Lower Latency In Game



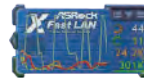
After setting online game priority higher in XFast LAN, it can lower the latency in game.

• Traffic Shaping



You can watch Youtube HD video and download files simultaneously.

• Real-Time Analysis Of Your Data

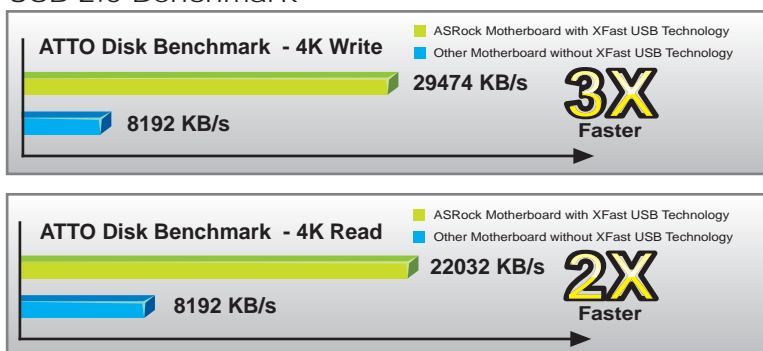


With the status window, you can easily recognize which data streams you are currently transferring.

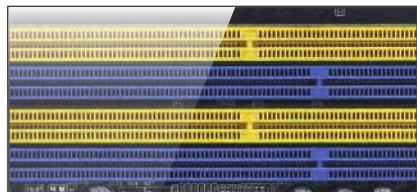
XFast USB Technology



USB 2.0 Benchmark



DDR2 / DDR3



DDR2 / DDR3

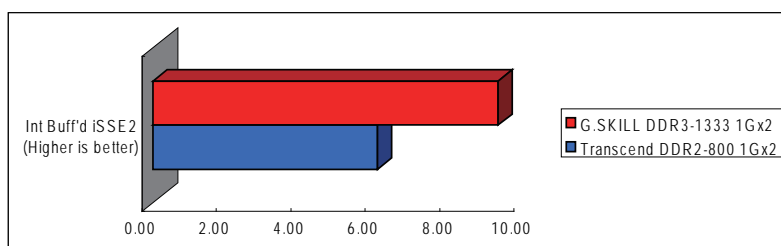
Combo Design

DDR2 1066 / DDR3 1600

DDR2 vs DDR3 Memory Performance Comparison

Model	N68C-GS FX	
CPU	Athlon II X4 630	
RAM	Transcend DDR2-800 1Gx2	G.SKILL DDR3-1333 1Gx2
OS	Windows 7	
HDD	WD 250G	

Sandra 2009 Memory bandwidth	Transcend DDR2-800 1Gx2	G.SKILL DDR3-1333 1Gx2
Int Buff'd iSSE2 (Higher is better)	8.41 GB/S	9.29 GB/S
Float Buff'd iSSE2 (Higher is better)	8.41 GB/S	9.3 GB/S



With DDR3, memory bandwidth
boost up more than **10.5%**

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!



CyberLink MediaEspresso 6.5 Trial

The fastest video media conversion 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.



App Charger

The best Apple charge companion



SmartView

The smart start page for IE that combines your most visited web sites, history, Facebook friends and real-time newsfeed.



OC DNA

Save your OC settings as a profile and share with friends. Try OC DNA now!



Instant Boot

It takes only 3 to 4 seconds to boot up the system to Windows.



Instant Flash

Flash BIOS without having to enter operating systems like MS-DOS or Windows.



OC Tuner

ASRock OC Tuner is a user-friendly and untied tool which allows you to guard your system by hardware monitor function and overclock your hardware devices to get the best system performance

