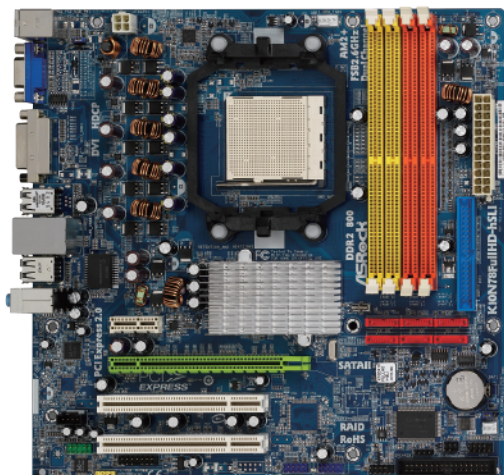


# K10N78FullHD-hSLI R3.0

NVIDIA® GeForce 8200 Chipset

**ASRock®**  
www.asrock.com



## Product Brief

- 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
- **FSB 2600 MHz** (5.2 GT/s)
- Supports Dual Channel **DDR2 1066\*** with AM2+ CPU, and DDR2 800/667/533 with AM2 CPU, with 4 DIMM slots, maximum capacity up to 8GB
- Integrated **NVIDIA® GeForce 8200, DX10 VGA, Pixel Shader 4.0**, Max. shared memory **512MB**
- Supports **NVIDIA® Hybrid SLI™**
- 1 x **PCI Express 2.0** x16 slot (green @ x16 mode)
- **6 x SATAIII** 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5, JBOD), NCQ, AHCI and Hot Plug functions
- Supports **Gigabit LAN** 10/100/1000 Mb/s
- **Dual VGA Output**: Support **DVI-D** and **D-Sub** ports by independent display controllers
- Supports **HDCP function** with DVI-D port, to enjoy better quality with High Definition HDCP Encryption contents
- Supports **Full HD 1080p Blu-ray (BD) / HD-DVD playback** with DVI-D port
- **NVIDIA® PureVideo™ HD Ready**
- Chipset embedded HDMI Audio which supports HDMI signal through DVI-D port by using DVI to HDMI adapter (not bundled)
- 1 x **WiFi/E** header
- Supports **ASRock OC Tuner, Intelligent Energy Saver**

\*Whether 1066MHz memory speed is supported depends on the AM2+ CPU you adopt. If you want to adopt DDR2 1066 memory module on this motherboard, please refer to the memory support list on our website for the compatible memory modules. ASRock website <http://www.asrock.com>

## Detail Specification



<b>Platform</b>	- Micro ATX Form Factor: 9.6-in x 9.6-in, 24.4 cm x 24.4 cm
<b>CPU</b>	- 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 - AMD LIVE!™ Ready - Supports AMD's Cool 'n' Quiet Technology - FSB 2600 MHz (5.2 GT/s) - Supports Untied Overclocking Technology - Supports Hyper-Transport 3.0 (HT 3.0) Technology
<b>Chipset</b>	- NVIDIA® GeForce 8200
<b>Memory</b>	- Dual Channel DDR2 memory technology - 4 x DDR2 DIMM slots - Supports DDR2 1066*/800/667/533 non-ECC, un-buffered memory - Max. capacity of system memory: 8GB
<b>Expansion Slot</b>	- 1 x PCI Express 2.0 x16 slot (green @ x16 mode) - 1 x PCI Express x1 slot - 2 x PCI slots - Supports NVIDIA® Hybrid SLI™
<b>Graphics</b>	- Integrated NVIDIA® GeForce8 Series - DX10 VGA, Pixel Shader 4.0 - Max. shared memory 512MB - Dual VGA Output: support DVI-D and D-Sub ports by independent display controllers - Supports HDCP function with DVI-D port - Supports 1080p Blu-ray (BD) / HD-DVD playback with DVI-D port - NVIDIA® PureVideo™ HD Ready
<b>Audio</b>	- 5.1 CH Windows® Vista™ Premium Level HD Audio (Realtek ALC662 Audio Codec) - Chipset embedded HDMI Audio
<b>LAN</b>	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY RTL8211B - Supports Wake-On-LAN
<b>Rear Panel I/O</b>	ASRock 6CH DVI I/O Plus - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x VGA/D-Sub Port - 1 x VGA/DVI-D Port - 6 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 Port - HD Audio Jack: Line in / Front Speaker / Microphone
<b>Connector</b>	- 6 x Serial ATAIII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5, JBOD), NCQ, AHCI and "Hot Plug" functions - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x DeskExpress Hot Plug Detection header - 1 x COM Port header - 1 x HDMI_SPDIF header - CPU/Chassis FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - CD in header - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports) - 1 x WiFi/E header
<b>BIOS Feature</b>	- 4Mb AMI BIOS - AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support
<b>Support CD</b>	- Drivers, Utilities, AntiVirus Software (Trial Version)
<b>Unique Feature</b>	- ASRock OC Tuner - Intelligent Energy Saver - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.) - ASRock AM2 Boost: ASRock Patented Technology to boost memory performance up to 12.5%
<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, Vcore
<b>OS</b>	- Microsoft® Windows® XP / XP Media Center / XP 64-bit / Vista™ / Vista™ 64-bit compliant
<b>Certifications</b>	- FCC, CE, WHQL
<b>Accessories</b>	- Quick Installation Guide, Support CD, I/O Shield - Floppy/ATA 133 cables - 1 x SATA data cable (optional) - 1 x SATA 1 to 1 power cable (optional) - 1 x HDMI_SPDIF cable (optional)

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