

# K10N78

NVIDIA® GeForce 8200 Chipset

**ASRock®**  
www.asrock.com



<b>140W</b> Phenom CPU	<b>FSB 2600</b> MHz	<b>DDR2 1066</b>	<b>PCI-E 2.0</b>
<b>NVIDIA® GeForce 8</b> DX10, PS 4.0	<b>NVIDIA® Hybrid SLI</b>	<b>Gigabit LAN</b>	<b>Full HD 1080p</b> Blu-ray (BD) / HD-DVD playback
<b>Dual VGA Output:</b> DVI-D & D-Sub ports	<b>OC Tuner</b>	<b>Smart BIOS</b>	<b>Intelligent Energy Saver</b>

## Product Brief <<<

- **AM3 CPU Ready**
  - **Supports CPU up to 140W**
  - **Supports NVIDIA® Hybrid SLI™**
  - **NVIDIA® PureVideo™ HD Ready**
  - **Supports Smart BIOS, ASRock OC Tuner,**
- Intelligent Energy Saver, Extra ESD Protection**

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## Detail Specification <<<

<b>Platform</b>	- ATX Form Factor: 12.0-in x 8.4-in, 30.5 cm x 21.3 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 - Supports CPU up to 140W - 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) - 2 x PCI Express x1 slots - 3 x PCI slots - Supports NVIDIA® Hybrid SLI™
<b>Graphics</b>	- Integrated NVIDIA® GeForce 8200 - 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>	- 7.1 CH Windows® Vista™ Premium Level HD Audio (ALC888 Audio Codec) - Chipset embedded HDMI Audio
<b>LAN</b>	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY RTL8211CL-GR - Supports Wake-On-LAN
<b>Rear Panel I/O</b>	I/O Panel - 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 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
<b>Connector</b>	- 6 x Serial ATA1 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 IR header - 1 x COM port header - 1 x HDMI SPDIF header - CPU/Chassis FAN connector - 24 pin ATX power connector - 8 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 USB/WiFi header
<b>BIOS Feature</b>	- 8Mb AMI BIOS - AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - CPU, DRAM, Chipset Core, HTT Voltage Multi-adjustment - Supports Smart BIOS
<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 - 2 x SATA data cables (optional) - 1 x SATA 1 to 1 power cable (optional)