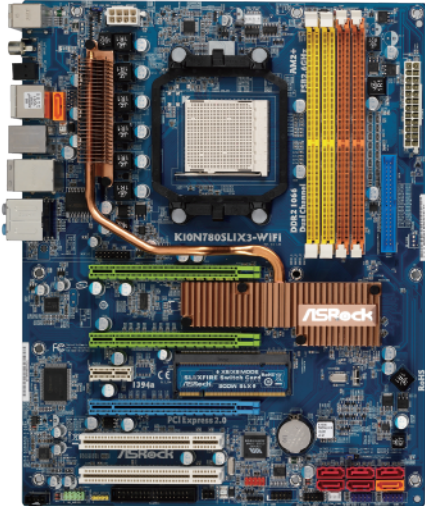


K10N780SLIX3-WiFi

NVIDIA® nForce 780a SLI Chipset

ASRock®
WiFi Anywhere!



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**
- **All Solid Capacitor design**
- Supports Hyper-Transport 3.0 (HT 3.0) Technology
- **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
- Supports **NVIDIA® SLI™ and 3-Way SLI™**
- Supports **NVIDIA® Hybrid SLI™ GeForce® Boost feature**
- 3 x **PCI Express 2.0** x16 slots (green @ x16 mode, blue @ x8 mode)
- 6 x **SATAII** 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 **eSATAII** 3.0 Gb/s connector
- Supports **Gigabit LAN** 10/100/1000 Mb/s
- Supports 2 x **IEEE1394** ports (one port on back panel, one header on board)
- 1 x **WiFi/E** header
- Supports **ASRock OC Tuner, Intelligent Energy Saver**
- 7.1 CH Windows® Vista™ Premium Level HD Audio with Content Protection, supports DAC with **110dB** dynamic range (**ALC890** Audio Codec), **DTS** (Digital Theater Systems) support
- Windows® Vista™ Premium 2007 Logo Ready
- **Free Bundle: 1 x ASRock WiFi-802.11g Module and 1 x Antenna, 1 x ASRock SLI Bridge, 1 x ASRock SLI/XFire Switch Card, 1 x ASRock 3-Way SLI Bridge**
- ASRock ASRock WiFi_SPDIF I/O: 1 x Coaxial SPDIF Out Port, 1 x Optical SPDIF Out Port, 1 x eSATAII port, 1 x RJ-45 LAN Port with LED, 1 x IEEE 1394 port

* 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

Platform	- ATX Form Factor: 12.0-in x 9.6-in, 30.5 cm x 24.4 cm - All Solid Capacitor design
CPU	- 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
Chipset	- NVIDIA® nForce 780a SLI
Memory	- 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
Expansion Slot	- 3 x PCI Express 2.0 x16 slots (green @ x16 mode, blue @ x8 mode) - 1 x PCI Express x1 slot - 2 x PCI slots - Supports NVIDIA® SLI™ and 3-Way SLI™ - Supports NVIDIA® Hybrid SLI™ GeForce® Boost feature
Audio	- 7.1 CH Windows® Vista™ Premium Level HD Audio with Content Protection - DAC with 110dB dynamic range (ALC890 Audio Codec) - DTS (Digital Theater Systems) support
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY RTL8211B - Supports Wake-On-LAN
Wireless LAN	ASRock WiFi-802.11g module - 54Mbps IEEE 802.11g / 11Mbps IEEE 802.11b - Supports Software Access Point mode (AP mode) and Station mode (Infrastructure mode and Ad-hoc mode)
Rear Panel I/O	ASRock WiFi_SPDIF I/O - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Coaxial SPDIF Out Port - 1 x Optical SPDIF Out Port - 6 x Ready-to-Use USB 2.0 Ports - 1 x eSATAII Port - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - 1 x IEEE 1394 Port - HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
Connector	- 6 x SATAII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 and JBOD), NCQ, AHCI and Hot Plug functions - 1 x eSATAII 3.0 Gb/s connector (shared with 1 SATAII port) - 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 - 1 x IEEE 1394 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 WiFi/E header
BIOS Feature	- 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, PCIE Bridge Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version)
Unique Feature	- 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%
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, Vcore
OS	- Microsoft® Windows® XP / XP Media Center / XP 64-bit / Vista™ / Vista™ 64-bit compliant
Certifications	- FCC, CE, WHQL
Accessories	- 1 x ASRock WiFi-802.11g Module - 1 x Antenna - 1 x ASRock SLI Bridge - 1 x ASRock 3-Way SLI Bridge - 1 x ASRock SLI/XFire Switch Card - Quick Installation Guide, Support CD, I/O Shield - Floppy/ATA 133 Cables - 4 x SATA Data Cables (Optional) - 1 x SATA 1 to 1 Power Cable (Optional) - 1 x HDMI_SPDIF Cable (Optional)

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.

Intelligent Energy Saver

ASRock MB implements AMD PSI (Power State Indicator) spec, which is a function for AM2+ platform to improve energy efficiency by disabling extra phases when CPU is at light loading.



Power Saving – You can easily find out how much power you have saved in total or in a specific duration by using ASRock IES system.

CPU power information – This allows you to easily view the CPU Voltage, CPU Frequency or CPU power consumption status.

Power phase status – ASRock Intelligent Energy Saver (IES) is activated to save power energy and lift power efficiency. When CPU is at heavy loading, the system will be running with 4 power phases and when CPU is at light loading or idle, the system will be running with 2 power phases.

For detailed information, please visit ASRock website: www.asrock.com