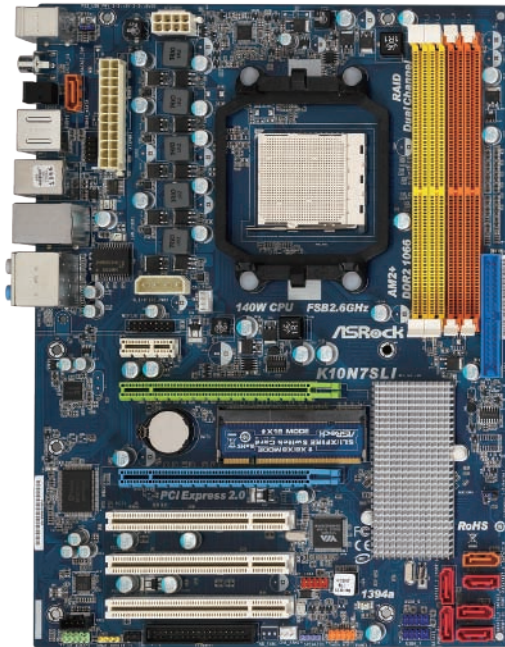


K10N7SLI

NVIDIA® nForce740a SLI Chipset

ASRock®
www.asrock.com



140W
Phenom CPU

FSB **2600**
MHz

DDR2 **1066**

NVIDIA® **SLI**

IEEE1394

Coastal/Optical
SPDIF Output

OC Tuner

Intelligent
Energy Saver

Product Brief <<<

- Supports for AM3 / socket AM2+ / AM2 processors
- Supports CPU up to 140W
- ASRock DuraCap (2.5 x longer life time), 100% Japan-made high-quality Conductive Polymer Capacitors
- Supports NVIDIA® SLI™
- Supports DAC with 110dB dynamic range (ALC890 Audio Codec)
- Supports ASRock Instant Boot, Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver

Detail Specification <<<

Platform	- ATX Form Factor: 12.0-in x 8.8-in, 30.5 cm x 22.4 cm - All Solid Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)
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 - Support for AM3 processors: AMD Phenom™ II X4 / X3 and Athlon II X4 / X3 / X2 processors - 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
Chipset	- NVIDIA® nForce 740a 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: 16GB
Expansion Slot	- 2 x PCI Express 2.0 x16 slots (green @ x16 mode, blue @ x8 mode) - 1 x PCI Express x1 slot - 3 x PCI slots - Supports NVIDIA® SLI™
Audio	- 7.1 CH Windows® Vista™ Premium Level HD Audio with Content Protection - DAC with 110dB dynamic range (ALC890 Audio Codec)
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY RTL8211B - Supports Wake-On-LAN
Rear Panel I/O	I/O Panel - 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 Serial ATAII 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 (shared with 1 SATAII port) - 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 - 1 x IEEE 1394 header - CPU/Chassis FAN connector - 24 pin ATX power connector - 8 pin 12V power connector - SLI/XFire power connector - CD in header - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
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, HTT Voltage Multi-adjustment - Supports Smart BIOS
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version)
Unique Feature	- ASRock OC Tuner - Intelligent Energy Saver - Instant Boot - 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 SLI Bridge - 1 x ASRock SLI/XFire Switch Card - 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)

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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ASRock Instant Boot

ASRock Instant Boot is a new feature invented exclusively by ASRock. It can boot up system in an amazing speed, which is 10 times faster than traditional boot up. For home users or office PC users, ASRock Instant Boot can also guarantee a clean Windows OS, and consumed less power! For details:

<http://www.asrock.com/feature/InstantBoot/index.asp>

* This function is applicable ONLY to single user that does not secure ID and Password to their systems.

* The boot up time depends on the hardware configuration.

Instant Boot Interface

This function is designed with two main options:

● Enable Instant Boot

Fast Mode: It takes only 3 to 4 seconds to boot up the system. You may start using your computer, running Office, browsing internet and even MSN instantly.

Regular Mode: It only takes half of the traditional boot-up time to start the system. The boot up experience is safe and fast.

● Disable Instant Boot

Instant Boot can also be disabled when you do not want to use this application.

Note: The actual boot up time is subject to the different models and configurations.



10 Times Faster, Only 4 Secs to Boot Up to Windows!

ASRock YouTube

<http://tw.youtube.com/watch?v=BucljXZVxXo>



Pro and Cons of various shut down modes

From this sum up table, we can find that ASRock Instant Boot not only excels in the Boot Up speed (3~4 sec.), it also provides clean OS and saves the most power energy.

	No Shut Down	Traditional boot up	S3	S4	Instant Boot	
					Fast Mode	Regular Mode
Boot Up Time	Best ●	Worse ● 50~60 sec	Best ● 3~4 sec.	Good ● 20~22 sec.	Best ● 3~4 sec.	Good ● 20~22 sec.
Cleanliness of OS	Fair ● Accumulated garbage data	Best ● Clean	Fair ● Accumulated garbage data	Fair ● Accumulated garbage data	Best ● Clean	Best ● Clean
Power Consumption (Light loading)	Worse ● 60W~100W	Best ● 1W~3W	Best ● 1W~3W	Best ● 1W~3W	Best ● 1W~3W	Best ● 1W~3W

● Best ● Good ● Fair ● Worse