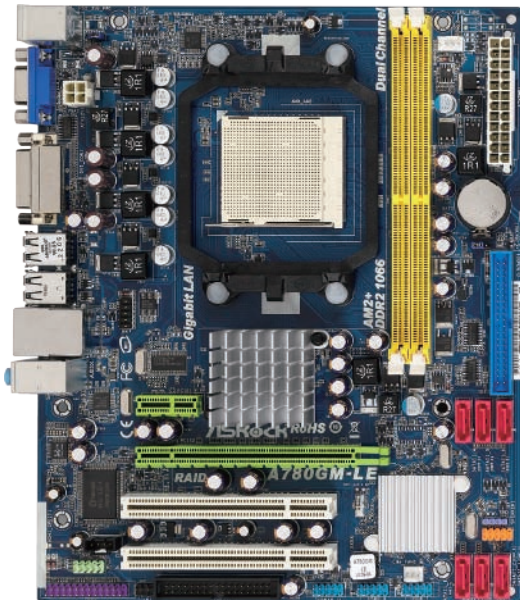


A780GM-LE

AMD 780G + SB700 Chipsets

ASRock
www.asrock.com



FSB
2600
MHz

2x DDR2 1066

AMD Radeon HD 3200
DX10, PS 4.0

ATI™ Hybrid
CrossFireX™

Full HD 1080p
Blu-ray (BD) / HD-DVD playback

Smart BIOS

Product Brief <<<

- AM3 CPU Ready
- Integrated AMD Radeon HD 3200 graphics, DX10 class iGPU, PS 4.0, Max. shared memory 512MB
- Dual VGA Output: Supports DVI-D and D-Sub ports
- Supports ASRock Instant Boot
- Supports Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver

Detail Specification <<<

| | |
|-------------------------|---|
| Platform | - Micro ATX Form Factor: 9.6-in x 7.8-in, 24.4 cm x 19.8 cm |
| 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 - AM3 CPU Ready - 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 | - Northbridge: AMD 780G - Southbridge: AMD SB700 |
| Memory | - Dual Channel DDR2 memory technology - 2 x DDR2 DIMM slots - Supports DDR2 1066/800/667/533 non-ECC, un-buffered memory - Max. capacity of system memory: 8GB |
| Expansion Slot | - 1 x PCI Express 2.0 x16 slot (green @ x16 mode) - 1 x PCI Express 2.0 x1 slot - 2 x PCI slots - Supports ATI™ Hybrid CrossFireX™ |
| Graphics | - Integrated AMD Radeon HD 3200 graphics - DX10 class iGPU, 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 Full HD 1080p Blu-ray (BD) / HD-DVD playback |
| Audio | - 5.1 CH Windows® Vista™ Premium Level HD Audio (ALC662 Audio Codec) |
| LAN | - PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111DL - 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 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: Line in / Front Speaker / Microphone |
| Connector | - 6 x Serial ATA133 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10, and 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 Print port header - 1 x COM port header - CPU/Chassis 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 | - 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, NB, SB 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 | - Quick Installation Guide, Support CD, I/O Shield - ATA 133 cable - 1 x SATA data cable (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 keep your data safe, 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.

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