

Products

Motherboard Series

»M3A780GXH/128M

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M3A780GXH/128M



- Support for Socket AM3 processors: AMD Phenom™ II X4 / X3 (except 920 / 940) and Athlon II X4 / X3 / X2 processors
- ASRock DuraCap (2.5 x longer life time), 100% Japan-made high-quality Conductive Polymer Capacitors
- Supports CPU up to 140W
- AMD 780G + SB710 Chipsets
- Supports AMD OverDrive™ with ACC feature (Advanced Clock Calibration)
- FSB 2600 MHz (5.2 GT/s)
- Supports Hyper-Transport 3.0 (HT 3.0) Technology
- Supports Dual Channel DDR3 1600(OC)/1333/1066/800 (4 x DIMM slots) non-ECC, un-buffered memory, Max. capacity up to 16GB
 - Integrated AMD Radeon HD 3200 graphics, DX10 class iGPU, Pixel Shader 4.0, Max. shared memory 512MB
 - Built-in 128MB DDR3 1333(OC)/1200MHz SidePort Memory
 - Supports ATI™ CrossFire™, Hybrid CrossFireX™ and 3-Way CrossFireX™
 - 3 x PCI Express 2.0 x16 slots (green @ x16 mode, blue @ x8 mode, orange @ x4 mode)
 - 6 x SATAII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10 and JBOD), NCQ, AHCI and "Hot Plug" functions
 - 1 x eSATAII 3.0 Gb/s connector
 - Supports 2 x IEEE1394 ports (one port on back panel, one header on board)
 - PCIE Gigabit LAN 10/100/1000 Mb/s
 - Three VGA Output options: D-Sub, DVI-D and HDMI
 - Supports HDCP function
 - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback
 - Supports ASRock Instant Boot
 - Supports Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver
 - 7.1 CH Windows® Vista™ Premium Level HD Audio (ALC888Audio Codec)
 - Windows® Vista™ Premium 2008 Logo Ready
 - I/O Panel: 1 x VGA/D-Sub Port, 1 x VGA/DVI-D Port, 1 x HDMI Port, 1 x IEEE 1394 Port, 1 x eSATAII Port, 1 x RJ-45 LAN Port with LED, 6 x USB 2.0 Ports

This model may not be sold worldwide. Please contact your local dealer for the availability of this model in your region.



Product Specifications

General	
CPU	<ul style="list-style-type: none">- Support for Socket AM3 processors: AMD Phenom™ II X4 / X3 (except 920 / 940) and Athlon II X4 / X3 / X2 processors- Supports CPU up to 140W- Supports AMD OverDrive™ with ACC feature (Advanced Clock Calibration)- 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	<ul style="list-style-type: none">- Northbridge: AMD 780G- Southbridge: AMD SB710
Memory	<ul style="list-style-type: none">- Dual Channel DDR3 memory technology- 4 x DDR3 DIMM slots- Supports DDR3 1600(OC)/1333/1066/800 non-ECC, un-buffered memory- Max. capacity of system memory: 16GB* <div>*Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® XP and Windows® Vista™. For Windows® XP 64-bit and Windows® Vista™ 64-bit with 64-bit CPU, there is no such limitation.</div>
BIOS	<ul style="list-style-type: none">- 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, VCCM, NB, SB Voltage Multi-adjustment- Supports Smart BIOS
Audio, Video and Networking	
Graphics	<ul style="list-style-type: none">- Integrated AMD Radeon HD 3200 graphics- DX10 class iGPU, Pixel Shader 4.0- Max. shared memory 512MB- Built-in 128MB DDR3 1333(OC)/1200MHz SidePort Memory- Three VGA Output options: D-Sub, DVI-D and HDMI- Supports HDCP function- Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback
Audio	<ul style="list-style-type: none">- 7.1 CH Windows® Vista™ Premium Level HD Audio (ALC888 Audio Codec)
LAN	<ul style="list-style-type: none">- PCIE x1 Gigabit LAN 10/100/1000 Mb/s- Realtek RTL8111DL- Supports Wake-On-LAN
Expansion / Connectivity	
Slots	<ul style="list-style-type: none">- 3 x PCI Express 2.0 x16 slots (green @ x16 mode, blue @ x8 mode, orange @ x4 mode)- 1 x PCI Express 2.0 x1 slot

Connector	<ul style="list-style-type: none"> - 2 x PCI slots - Supports ATI™ CrossFireX™, Hybrid CrossFireX™ and 3-Way CrossFireX™
	<ul style="list-style-type: none"> - 6 x SATAII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10 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 IR header - 1 x COM port header - 1 x IEEE 1394 header - 1 x HDMI_SPDIF header - CPU/Chassis/NB/Power FAN connector - 24 pin ATX power connector - 8 pin 12V power connector - SLI/XFire power connector - CD in header - Front panel audio connector - 3 x USB 2.0 headers (support 6 USB 2.0 ports)
Rear Panel I/O	<ul style="list-style-type: none"> - I/O Panel - 1 x PS/2 Keyboard Port - 1 x VGA/D-Sub Port - 1 x VGA/DVI-D Port - 1 x HDMI Port - 1 x Optical SPDIF Out Port - 1 x IEEE 1394 Port - 1 x eSATAII 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
Other Features / Miscellaneous	
Unique Feature	<ul style="list-style-type: none"> - ASRock OC Tuner - Intelligent Energy Saver - Instant Boot - Hybrid Booster: <ul style="list-style-type: none"> - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.)
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), AMD OverDrive™ Utility, AMD Live! Explorer, AMD Fusion
Accessories	<ul style="list-style-type: none"> - 1 x ASRock PCIE 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)
Hardware Monitor	<ul style="list-style-type: none"> - CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/NB/Power Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, Vcore
Form Factor	<ul style="list-style-type: none"> - 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)
OS	- Microsoft® Windows® XP / XP Media Center / XP 64-bit / Vista™ / Vista™ 64-bit compliant
Certifications	- FCC, CE, WHQL
Caution: Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using the third-party overclocking tools. Overclocking may affect your system stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking.	

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