## ASUS M4A88T-M/USB3

*Motherboard, micro ATX, Socket AM3, AMD 880G, USB 3.0, Gigabit Ethernet, onboard graphics, HD Audio (8-channel)*



This motherboard supports AMD socket AM3 multi-core processors with unique L3 cache and delivers better overclocking capabilities with less power consumption. It features dual-channel DDR3 1333 memory support and accelerates data transfer rate up to 5200MT/s via HyperTransport 3.0 based system bus. This motherboard also supports AMD CPUs in the 45nm manufacturing process.  The motherboard supports DDR3 memory that features data transfer rates of 1866(O.C.)/1333/1066 MHz to meet the higher bandwidth requirements of the latest operation system, 3D graphics, multimedia, and Internet applications.  ATI Hybrid CrossFireX technology is a unique hybrid multi-GPU technology. It takes your gaming experience to the next level boosting PC performance by enabling the chipset's integrated graphics processor and a discrete GPU to operate simultaneously with combined output for blisteringly-fast frame rates unleashing the graphics performance.  This motherboard supports multiple digital and analog display output interfaces - HDMI, DVI, and D-Sub. With such diversity of display outputs, you are able to choose and upgrade display devices freely.  AMD 880G chipset is designed to support up to 5200MT/s HyperTransport 3.0 (HT3.0) interface speed and PCI Express 2.0 x 16 graphics. It is optimized with AMD's latest AM3 and multi-core CPUs to provide excellent system performance and overclocking capabilities.  This motherboard supports the latest PCIe 2.0 devices for double speed and bandwidth which enhances system performance.  High-Definition Multimedia Interface (HDMI) is a set of digital video standards that delivers multi-channel audio and uncompressed digital video for full HD 1080p visuals through a single cable. Supporting HDCP copy protection such as HD DVD and Blu-ray discs, HDMI provides you with the highest-quality home theater experience.  Experience ultra-fast data transfers at 4.8 Gb/s with USB 3.0 - the latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10X faster and is also backward compatible with USB 2.0 components.  Feel the adrenaline rush of real-time O.C. - now a reality with the ASUS TurboV. This easy O.C. tool allows you to overclock

without exiting or rebooting the OS; and its user-friendly interface makes overclock with just a few clicks away. Moreover, the ASUS OC profiles in TurboV provide the best O.C. settings in different scenarios. ASUS Turbo Key allows you to turn the PC power button into a physical overclocking button. After the easy setup, Turbo Key can boost performances without interrupting ongoing work or games, simply through pressing the button. Auto Tuning is an intelligent tool that automates overclocking to achieve a total system level up.

## General information

|  | Asus |
| --- | --- |
| Category | Motherboards |
| Article number | 212566 |
|  | 90-MIBD25-G0EAY00Z |

## Technical specifications

| Product Description | ASUS M4A88T-M/USB3 - motherboard - micro ATX - Socket AM3 - AMD 880G |
| --- | --- |
| Product Type | Motherboard - micro ATX |
| Form Factor | Micro ATX |
| Chipset Type | AMD 880G / AMD SB710 |
| Dimensions (WxDxH) | 24.4 cm x 24.4 cm |
| Processor Socket | 1 x Socket AM3 |
| Compatible Processors | Sempron, Phenom II X3, Athlon II X2, Phenom II X2, Athlon II X4, Athlon II X3, Phenom II X4, Phenom II X6 |
| RAM | 0 MB |
| Multi-Core Support | Dual-Core / Triple-core / Quad-core / Six-core |
| Max Supported Memory | 16 GB |
| Max Bus Speed | 2600 MHz |
| RAM Supported | 4 DIMM slots - DDR3 SDRAM , non-ECC, ECC , unbuffered |
| Processor | 0 ( 1 ) - Socket AM3 |
| Storage Ports | 6 x SATA-300 (RAID), 1 x ATA-133 |
| USB / FireWire Ports | 2 x SuperSpeed USB + 4 x Hi-Speed USB + (6 x Hi-Speed USB via headers) |
| 64-bit Processors Compatibility | Yes |
| USB Ports Configuration | 12 x USB |
| Graphics | ATI Radeon HD 4250 |
| Audio | HD Audio (8-channel) |
| Supported RAM Technology | DDR3 SDRAM |
| LAN | Gigabit Ethernet |
| Microsoft Certification | Compatible with Windows 7 |
| Supported RAM Integrity Check | Non-ECC, ECC |
| Supported RAM (Registered or Buffered) | Unbuffered |
| Storage Controller | ATA-133, Serial ATA-300 (RAID) |
| Storage Ports Configuration | 1 x ATA, 6 x SATA |
| Graphics Controller | ATI Radeon HD 4250 Shared Video Memory (UMA) |
| Audio Output | Sound card - 7.1 channel surround |

| Networking | Network adapter - Realtek RTL8111E - Ethernet, Fast Ethernet, Gigabit Ethernet |
|---|---|

## More detailed technical specifications

### General

| | |
|---|---|
| Product Type | Motherboard - micro ATX |
| Form Factor | Micro ATX |
| Chipset Type | AMD 880G / AMD SB710 |
| Width | 24.4 cm |
| Max Bus Speed | 2600 MHz |
| Depth | 24.4 cm |
| Processor Socket | Socket AM3 |
| Max Processors Qty | 1 |
| 64-bit Processors Compatibility | Yes |
| Compatible Processors | Sempron, Phenom II X3, Athlon II X2, Phenom II X2, Athlon II X4, Athlon II X3, Phenom II X4, Phenom II X6 |
| Multi-Core Support | Dual-Core / Triple-core / Quad-core / Six-core |
| BIOS Type | AMI |
| Storage Controller | ATA-133, Serial ATA-300 (RAID) |
| Power Connectors | 4-pin ATX12V connector, 24-pin main power connector |

### Memory

| | |
|---|---|
| RAM Installed | 0 MB |
| Max Supported Memory | 16 GB |
| Supported RAM Technology | DDR3 SDRAM |
| Supported RAM Speed | 1600 MHz, 1333 MHz, 1066 MHz |
| Supported RAM Integrity Check | Non-ECC, ECC |
| Supported RAM (Registered or Buffered) | Unbuffered |
| RAM Features | Dual channel memory architecture |
| RAM Installed ( Max ) | 0 MB / 16 GB (max) |

### Graphics

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|---|---|
| Graphics Controller | ATI Radeon HD 4250 |
| Memory Allocation Technology | Shared Video Memory (UMA) |

### Processor

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|---|---|
| Installed Qty (Max Supported) | 0 ( 1 ) |

### Audio

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|---|---|
| Type | HD Audio (8-channel) |
| Audio Codec | VIA VT1708S |
| Sound Output Mode | 7.1 channel surround |
| Compliant Standards | High Definition Audio |
| Audio Output | Sound card |

**LAN**

| Network Controller | Realtek RTL8111E |
|---|---|
| Network Interfaces | Gigabit Ethernet |

**Expansion / Connectivity**

| Expansion Slot(s) | 1 x processor - Socket AM3 ¦ 4 x memory - DIMM 240-pin ¦ 1 x PCI Express 2.0 x16 ¦ 2 x PCI Express 2.0 x1 ¦ 1 x PCI |
|---|---|
| Storage Interfaces | AMD SB710 : ATA-133 - connector(s): 1 x 40pin IDC - 2 Device(s) ¦ AMD SB710 : Serial ATA-300 - connector(s): 6 x 7pin Serial ATA - 6 Device(s) - RAID 0 / RAID 1 / RAID 10 / JBOD |
| Interfaces | 1 x keyboard / mouse - generic - 6 pin mini-DIN (PS/2 style) ¦ 4 x Hi-Speed USB - 4 PIN USB Type A ¦ 2 x SuperSpeed USB 3.0 - 9 pin USB Type A ¦ 1 x network - Ethernet 10Base-T/100Base-TX/1000Base-T - RJ-45 ¦ 1 x audio - line-out - mini-phone stereo 3.5 mm ¦ 1 x audio - line-In - mini-phone stereo 3.5 mm ¦ 1 x microphone - input - mini-phone 3.5mm ¦ 1 x audio - line-out (side surround) - mini-phone stereo 3.5 mm ¦ 1 x audio - line-out (rear) - mini-phone stereo 3.5 mm ¦ 1 x audio - line-out (centre/subwoofer) - mini-phone 3.5mm ¦ 1 x display / video - HDMI - 19 pin HDMI Type A ¦ 1 x display / video - DVI-Digital - 24 pin digital DVI ¦ 1 x display / video - VGA - 15 pin HD D-Sub (HD-15) ¦ 6 x Hi-Speed USB ( internal ) |
| Power Connectors | 4-pin ATX12V connector, 24-pin main power connector |
| Additional Connectors (Optional) | 6 x Hi-Speed USB |

**Video**

| Graphics Controller | ATI Radeon HD 4250 Shared Video Memory (UMA) |
|---|---|

**Features**

| BIOS Type | AMI |
|---|---|
| BIOS Features | DMI 2.0 support, WfM 2.0 support, ASUS MyLogo2, ASUS Quiet Thermal Solution, ASUS EZ Flash 2, ASUS O.C. Profile, ACPI 2.0a support, SMBIOS 2.5 support |
| Manual Settings | CPU frequency, processor core voltage, memory voltage, PCI Express x16 slot frequency, chipset voltage |
| Sleep / Wake Up | Wake on LAN (WOL), wake on ring (WOR) |
| Hardware Features | ASUS Q-Fan, C.P.R. (CPU Parameter Recall), AMD Cool 'n' Quiet Technology, jack retasking, ASUS Anti-Surge Protection, MemOK!, GPU NOS, ASUS Turbo Key, CrashFree BIOS 3, ASUS AI NET2, ASUS Stepless Frequency Selection (SFS), audio jack detect technology, ASUS CPU Level Up, ASUS Precision Tweaker 2, ASUS Express Gate, ASUS EPU-4 Engine, ASUS TurboV, Core Unlocker, AMD Hybrid CrossFireX technology support |

**Telecom / Networking**

| Networking | Network adapter - Realtek RTL8111E - Ethernet, Fast Ethernet, Gigabit Ethernet |
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**Miscellaneous**

| Software Included | Drivers & Utilities, ASUS Live Update, ASUS Express Gate, ASUS Auto Tuning |
|---|---|
| Compatible with Windows 7 | "Compatible with Windows 7" software and devices carry Microsoft's assurance that these products have passed tests for compatibility and reliability with 32-bit and 64-bit Windows 7. |
| Compliant Standards | Plug and Play, RoHS, ACPI 2.0a |
| Width | 24.4 cm |
| Depth | 24.4 cm |