

## A58M Motherboard



- Supported Socket FM2+/FM2 processors AMD A-series/ E2-series processor
- Supported AMD Mutil Core(x4,x2)
- AMD 100W processor support
- AMD A55 Chipset
- 2 DIMM supported DDR3-2600(OC)/ 2400(OC)/ 2133/ 1866/ 1600/ 1333/ 1066/ 800
- AMD Dual Graphics Technology
- 100% X.D.C solid capacitor

## A58M Specification

|                  |                                                                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU SUPPORT      | AMD A10 Processor<br>AMD A8 Processor<br>AMD A6 Processor<br>AMD A4 Processor<br>AMD E2 Processor<br>AMD Athlon™ II X4 Processor<br>Maximum CPU TDP (Thermal Design Power) : 100Watt |
| MEMORY           | Support Dual Channel DDR3<br>2600(OC)/2400(OC)/2133/1866/1600/1333/1066/800 MHz<br>2 x DDR3 DIMM Memory Slot<br>Max. Supports up to 32GB Memory                                      |
| INTEGRATED VIDEO | By CPU model<br>AMD Dual Graphics Technology<br>Supports DX11.1<br>Supports HDCP                                                                                                     |
| STORAGE          | 6 x SATA II Connector<br>Support SATA RAID: 0,1,10                                                                                                                                   |
| LAN              | Realtek RTL8111G - 10/100/1000 Controller                                                                                                                                            |
| AUDIO CODEC      | Realtek ALC892 8-Channel Blu-ray Audio                                                                                                                                               |
| USB              | 4 x USB 2.0 Port<br>2 x USB 2.0 Header                                                                                                                                               |

|                 |                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXPANSION SLOT  | 1 x PCI-E 3.0 x16 Slot(supported by FM2+ CPU)<br>1 x PCI-E 2.0 x1 Slot<br>1 x PCI Slot                                                                                                                                                   |
| REAR I/O        | 1 x PS/2 Mouse<br>1 x PS/2 Keyboard<br>4 x USB 2.0 Port<br>1 x DVI (Dual Link) Connector<br>1 x VGA Port<br>1 x LAN Port<br>3 x Audio Jacks                                                                                              |
| INTERNAL I/O    | 2 x USB 2.0 Header<br>6 x SATA II Connector (3Gb/s )<br>1 x Front Audio Header<br>1 x Front Panel Header<br>1 x S/PDIF-Out Header<br>1 x CPU Fan Connector<br>1 x System Fan Connector<br>1 x COM Port Header<br>1 x Printer Port Header |
| H/W MONITORING  | CPU / System Temperature Monitoring<br>CPU / System Fan Monitoring<br>Smart / Manual CPU Fan Control<br>System Voltage Monitoring                                                                                                        |
| DIMENSION       | Micro ATX Form Factor Dimension: 24.4cm x 19.1cm<br>( W x L )                                                                                                                                                                            |
| OS SUPPORT      | Supports Windows XP / 7 / 8 / 10(x64)                                                                                                                                                                                                    |
| BUNDLE SOFTWARE | BIO-Remote2<br>Smart Speed LAN                                                                                                                                                                                                           |
| ACCESSORIES     | 2 x SATA Cable<br>1 x I/O Shield<br>1 x DVD Driver<br>1 x Quick Guide                                                                                                                                                                    |
| FEATURES        | Windows 8 Ready<br>Supports 100% Solid capacitor<br>BIO-FLASHER<br>Supports Charger Booster<br>Supports BIOS Online Update                                                                                                               |
| A58M OVERVIEW   |                                                                                                                                                                                                                                          |
| CPU-Chipset     |                                                                                                                                                                                                                                          |



## AMD A55 chipset

AMD® A55 chipset is designed to support up to 5GT/s interface speed and PCI Express™ 2.0 graphics. It supports SATA 3Gb/s ports.



## FM2+ APU Support

Socket FM2+ is a new AMD CPU socket design that will support the yet to be released Steamroller core Kaveri APUs. The FM2+ has a slightly different pin configuration with two additional pin sockets, however FM2+ motherboards will retain backwards compatibility with previous generation Socket FM2 APUs. Socket FM2+ APUs possibly will not be compatible with Socket FM2 motherboards due to the aforementioned additional pins.

## Audio+



## Blu-ray Audio

Upgrading your Audio performance in the easiest way is choosing BIOSTAR ultimate Motherboard. It does support Blu-ray audio DRM (compatible driver/software) and provide the higher audio output of 24 bit/ 192KHz than the 16 bit/ 48KHz from the normal MB. You will experience the high quality sound effect with pure Blu-Ray Audio.



## S/P DIF Output on board

Onboard Optical & Coaxial connector supports your desktop in transferring the non-distortion digital audio output to the AV amplifier and professional speaker system.

## Video+



## DX11.1

Direct3D 11.1 enables Direct3D 10 APIs and Direct3D 11 APIs to use one underlying rendering device. And it allows developers to achieve a high speed, fully conformant software rasterizer.

## Speed+



## SmartSpeedLAN

SmartSpeedLAN is a free software application which monitors and manages your PC's network behavior. With user-friendly GUI, it allows you to select and prioritize different types of network traffic, including gaming, media streaming, communications or web surfing. You can also set any specific applications, choosing to prioritize or block accordingly. SmartSpeedLAN can feature automatic management options that use adaptive networking intelligence to ensure that you are getting the best online experience possible.



## Charger Booster

Charger booster is the best and efficient charger solution for apple devices such as iPad, iPhone. Basically, Charger booster Technology is able to boost the charging time to be more efficiency and faster once any apple goods connecting to our Motherboard. With charger booster technology, you are able to charge your apple devices up to 42 % faster.



## PCIe 3.0

PCIe 3.0 is the ubiquitous and general-purpose PCI Express I/O standard. At 8GT/s bit rate, the interconnect performance bandwidth is doubled over PCIe 2.0, while preserving compatibility with software and mechanical interfaces.



## Dual DDR3-2600+

It supports 2 or 4 DIMM Slots DDR3 memory that features data transfer rates of DDR3 2600(O.C). The processor support 2 memory channels and setting the memory multiplier, allows selection of the channel speed. These clearly uplift the band width and boost the overall system performance.

**Durable+**

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <h2>Moistureproof of PCB</h2> <p>The popularity of PC usage and working environment is getting deteriorating and moist (rural, coastal, etc.). The PCB will be oxidizing easily by damp or absorbed moisture, and ionic migration or CAF (Conductive Anodic Filament) will be generated. Moisture-proof PCB meets high density and high reliability requirements for moisture proof.</p> |
|    | <h2>Low RdsOn P-Pak MOS</h2> <p>Low resistance design can significantly reduce the current out of energy loss. Low temperature, small size, excellent thermal conductivity.</p>                                                                                                                                                                                                          |
|    | <h2>5 Phase Power Phase Design</h2> <p>5-phase VRM design with high quality power components such as low RDS (on) Mosfet for lower temperature has the advantage to raise the overclocking ability.</p>                                                                                                                                                                                  |
| <h2>Protection+</h2>                                                                |                                                                                                                                                                                                                                                                                                                                                                                          |
|  | <h2>ESD Protection</h2> <p>ESD (Electrostatic Discharge) is the major factor to destroy the PC by electrical overstress (EOS) condition. ESD occurred by PC users when touch any devices connect to a PC, which may result in damage to the motherboard or parts. ESD protection is designed to protect the motherboard and equipment from damage by EOS.</p>                            |
|  | <h2>USB Polyswitch</h2> <p>On board dedicated power fuse to help prevent USB port failure. It prevents USB Port overcurrent and safe guard your system and device lifespan.</p>                                                                                                                      |



## OC / OV / OH Protection

OC / OV / OH Protection design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect your system.



## BullGuard Internet Security (90 days FREE trial)

BullGuard Internet Security comes with the broadest line-up of internet security features on the market, including: a cutting-edge dual Antivirus engine, Online Backup for your precious files, PC Tune Up to speed up your system, a Game Mode for a seamless gaming experience, Parental Control, Firewall, Safe Browsing and many more. Make the most of your digital life with Bullguard!

## DIY+



## UEFI BIOS

Unified Extensible Firmware Interface (UEFI) is a brand new framework that provides a revolutionary interface. It is a modern clear and easy-to-use graphical user interface. The UEFI comes with a colorful easy-understand icons leads users into the setup layer directly.



## Header Zone

Users can easily assemble their own computer, a simple-swap data discs and other accessories.



## BIO-Remote 2

BIO-Remote2 Technology is featuring users a better Home Theater environment. Users who own either Android mobile or Apple goods are able to access and control your PC remotely; At this moment, you're smart device became a intelligent and functional remote controller; more than that, BIO-Remote2 also includes both function of mouse pad and power point presentation mode.



## BIO-Flasher

BIO-Flasher is a convenient BIOS update tool. Just launch this tool and put the BIOS on USB pen driver before entering the OS. You can update your BIOS with only a few clicks without preparing an additional floppy disk or other complicated flash utility.



## BIOScreen Utility

Personalize your desktop with customizable boot logo. BIOScreen is the new feature that lets you personalize and create your own style with unique, custom-made boot logo.

**\*The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!**