

## A68MLP Motherboard



- Supported Socket FM2+/FM2 processors AMD A-series/ E2-series processor
- Supported AMD Mutil Core(x4,x2)
- AMD A68H Chipset
- 2 DIMM supported DDR3-2600(OC)/ 2400(OC)/ 2133/ 1866/ 1600/ 1333/ 1066/ 800
- Supported USB 3.0
- AMD Dual Graphics Technology

### Specifcation

|                  |                                                                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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          | 4 x SATA III Connector<br>Support SATA RAID: 0,1,10                                                                                                                                  |
| LAN              | Realtek RTL8106E - 10/100 Controller                                                                                                                                                 |
| AUDIO CODEC      | Realtek ALC662 6-Channel HD Audio                                                                                                                                                    |
| USB              | 2 x USB 3.0 Port<br>2 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>2 x USB 3.0 Port<br>2 x USB 2.0 Port<br>1 x VGA Port<br>1 x LAN Port<br>3 x Audio Jacks                                                       |

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|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INTERNAL I/O    | 2 x USB 2.0 Header<br>4 x SATA III Connector (6Gb/s)<br>1 x Front Audio Header<br>1 x Front Panel Header<br>1 x CPU Fan Connector<br>1 x System Fan Connector<br>1 x COM 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: 22.6cm x 17.4cm ( W x L )                                                                                                                           |
| OS SUPPORT      | Supports Windows XP / 7 / 8 / 8.1 / 10(x64)                                                                                                                                          |
| BUNDLE SOFTWARE | BullGuard<br>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        | Supports Solid capacitor<br>BIO-FLASHER<br>Supports Charger Booster<br>Supports BIOS Online Update                                                                                   |

## OVERVIEW

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|  | <b>AMD A68H chipset</b><br>AMD® A68H chipset is designed to support up to 5GT/s interface speed and PCI Express™ 3.0/2.0 graphics. It natively supports SATA 6Gb/s ports and USB 3.0 Ports.                                                                                                                                                                                                                                                                        |
|  | <b>FM2+ APU Support</b><br>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. |
|  | <b>HD Audio</b><br>Provides high quality sound with minimal loss of audio fidelity.                                                                                                                                                                                                                                                                                                                                                                                |
|  | <b>DX11.1</b><br>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.                                                                                                                                                                                                                                                       |

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|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <h3>USB 3.0</h3> <p>Experience Fastest data transfers at 5 Gbps with USB 3.0--the new latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10X faster and backward compatible with previous USB 2.0 components.</p>                                                                                                   |
|    | <h3>Charger Booster</h3> <p>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.</p> |
|    | <h3>SATAIII 6Gbps</h3> <p>SATAIII 6Gbps provides a higher bandwidth to retrieve and transfer HD media. With this super speed data transfer, SATAIII allows an incredible data boost which is 2x faster than the SATA II.</p>                                                                                                                                                                   |
|    | <h3>Moistureproof of PCB</h3> <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>       |
|   | <h3>Low RdsOn P-Pak MOS</h3> <p>Low resistance design can significantly reduce the current out of energy loss. Low temperature, small size, excellent thermal conductivity.</p>                                                                                                                                                                                                                |
|  | <h3>ESD Protection</h3> <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>                                  |
|  | <h3>USB Polyswitch</h3> <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>                                                                                                                                                                                                                |
|  | <h3>BIOS Virus Protection</h3> <p>When enabled, the BIOS will protect the boot sector and partition table by halting the system and flashing a warning message whether there's an attempt to write to these areas.</p>                                                                                                                                                                         |
|  | <h3>OC / OV / OH Protection</h3> <p>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.</p>                                                                                                                                                        |



## 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.

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



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