

A68MHE Motherboard



- Support AMD Socket FM2+ Athlon™/A- Series Processors
- AMD AMD A68H Chipset
- Support 2-DIMM DDR3-2600(OC) up to 32G maximum capacity
- Support USB 3.2
- Support HDMI
- Support GbE LAN
- AMD Dual Graphics Technology

Specifcation	
CPU SUPPORT	AMD FM2+ A-series APU Maximum CPU TDP (Thermal Design Power) : 100Watt * Please refer to www.biostar.com.tw for CPU support list.
MEMORY	Support Dual Channel DDR3 800/ 1066/ 1333/ 1600/ 1866/ 2133/ 2400(OC)/ 2600(OC) MHz 2 x DDR3 DIMM Memory Slot Max. Supports up to 32GB Memory *Please refer to www.biostar.com.tw for Memory support list.
INTEGRATED VIDEO	By CPU model Supports DX12 Supports HDCP AMD Dual Graphics Technology
STORAGE	4 x SATA III Connectors (6Gb/s) : Supports AHCI & RAID 0, 1, 10
LAN	Realtek RTL8111H - 10/100/1000Mb/s Controller
AUDIO CODEC	Realtek ALC662 6-Channel HD Audio
USB	2 x USB 3.2 Gen1 Port (5Gb/s) (2 on rear I/Os) 6 x USB 2.0 Port(2 on rear I/Os and 4 via internal headers)
EXPANSION SLOT	1 x PCI-E 3.0 x16 Slot 1 x PCI-E 2.0 x1 Slot
REAR I/O	1 x PS/2 Mouse 1 x PS/2 Keyboard 2 x USB 3.2 Gen1 (5Gb/s) Port 2 x USB 2.0 Port 1 x HDMI Connector 1 x VGA Port 1 x LAN Port 3 x Audio Jacks

INTERNAL I/O	2 x USB 2.0 Header(each header supports 2 USB 2.0 ports) 4 x SATA III Connector (6Gb/s) 1 x Front Audio Header 1 x Front Panel Header 1 x CPU Fan Connector 1 x System Fan Connector 1 x 4-Pin Power Connector 1 x 24-Pin Power Connector 1 x Clear CMOS Header
H/W MONITORING	CPU / System Temperature Monitoring CPU / System Fan Monitoring Smart / Manual CPU Fan Control CPU/DDR Voltage Monitoring
DIMENSION	Micro ATX Form Factor Dimension: 21.5 cm x 17 cm (W x L)
OS SUPPORT	Supports Windows XP/ 7/ 8/ 8.1(64bit)/ 10(64bit) *Biostar reserves the right to add or remove support for any OS with or without notice.
BUNDLE SOFTWARE	BullGuard
ACCESSORIES	2 x SATA Cable 1 x I/O Shield 1 x DVD Driver 1 x Quick Guide

OVERVIEW



AMD A68H chipset

AMD® A68H chipset is designed to support up to 5GT/s interface speed and PCI Express $^{\text{TM}}$ 3.0/2.0 graphics. It natively supports SATA 6Gb/s ports and USB 3.0 Ports.



HDMI 4K2K

The new 4K2K resolution enables high-definition image display with four times the resolution of full HD, 4K2K display is faithfully express bright, highly detailed content that fills the entire screen with lifelike images. Connectivity with PCs via a single HDMI cable for displaying 4K2K data.



DX12

DirectX 12 introduces the next version of Direct3D, the graphics API at the heart of DirectX. Direct3D is one of the most critical pieces of a game or game engine, and we've redesigned it to be faster and more efficient than ever before. Direct3D 12 enables richer scenes, more objects, and full utilization of modern GPU hardware.



PCle 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.



SATAIII 6Gbps

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.



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

