BIOSTAR
Beyond Better, Racing to the Future.

AA68MZ+Q3 Motherboard

- Support AMD A68H single chip architecture
- Support Dual Channel DDR3 2133/ 1866/ 1600/ 1333
- Support USB 3.1 Gen1

Specifcation

CPU SUPPORT	AMD FM2+ A-series APU Maximum CPU TDP (Thermal Design Power) : 100Watt
MEMORY	Support Dual Channel DDR3 2133/ 1866/ 1600/ 1333 MHz 2 x DDR3 DIMM Memory Slot
INTEGRATED VIDEO	By CPU model Supports DX12 Supports HDCP
STORAGE	4 x SATA III Connector
LAN	Realtek RTL8106E - 10/100 Controller
AUDIO CODEC	Realtek ALC662 6-Channel HD Audio
USB	2 x USB 3.1 Gen1 Port 6 x USB 2.0 Port (2 on rear I/Os and 4 via internal header)
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 3.1 Gen1 Ports 2 x USB 2.0 Port 1 x VGA Port 1 x LAN Port 3 x Audio Jacks
INTERNAL I/O	2 x USB 2.0 Header 4 x SATA III Connector (6Gb/s) 1 x Front Audio Header 1 x CPU Fan Connector 1 x 4-Pin Power Connector 1 x 24-Pin Power Connector 1 x COM Port Header
DIMENSION	Micro ATX Form Factor Dimension: 21.8cm x 17.4cm (W x L)
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™ 3.0/2.0 graphics. It natively supports SATA 6Gb/s ports and USB 3.0 Ports.

HD Audio

Provides high quality sound with minimal loss of audio fidelity.

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.

USB 3.1 Gen 1 Type-A

Experience Fastest data transfers at 5 Gbps with USB 3.1 Gen 1--the new latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.1 Gen 1 transfers data 10X faster and backward compatible with previous USB 2.0 components.

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.

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.

Dual DDR3-2133

It supports 2 or 4 DIMM Slots DDR3 memory that features data transfer rates of DDR3 2133. The processor support 2 memory channels and setting the memory multiplier, allows selection of the channel speed. These clearly uplift the bandwidth and boost the overall system performance.

5 Phase Power Phase Design

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.

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