B550MH

Supports AMD Ryzen 3rd Gen (Matisse/ Renoir) and 4th Gen (Vermeer) processors

AMD B550 single chip architecture

Supports 2-DIMM DDR4-4933+(OC)/4800(OC)/4600(OC)/4400(OC)/4000(OC)/3800(OC)/3600(OC)

/3200/2933/2667/2400/2133/1866

Supports USB 3.2 Gen1

Supports PCIe M.2 4.0 (64Gb/s)

Supports HDMI 4K resolution

Chipset AMD B550

CPU SUPPORT   Socket AM4 support AMD 3rd Gen Ryzen™ (Matisse/ Renoir) processors and Ryzen™ 4th Gen (Vermeer) processors

Support for future AMD Ryzen processors with BIOS update

* Please refer to www.biostar.com.tw for CPU support list.

MEMORY   4th Gen AMD Ryzen Processors (Vermeer CPUs/ Future APUs):

Supports Dual Channel DDR4 4400+(OC)/ 4000(OC)/ 3800(OC)/ 3600(OC)/ 3200/ 2933/ 2667/ 2400/ 2133

3rd Gen AMD Ryzen Processors (Matisse CPUs): Supports Dual Channel DDR4 4400+(OC)/ 4000(OC)/ 3800(OC)/ 3600(OC)/ 3200/ 2933/ 2667/ 2400/ 2133

3rd Gen AMD Ryzen with Radeon Graphics Processors (Renoir APUs): Supports Dual Channel DDR4 4933+(OC)/ 4800(OC)/ 4600(OC)/ 4400(OC)/ 4000(OC)/ 3800(OC)/ 3600(OC)/ 3200/ 2933/ 2667/ 2400/ 2133

2 x DDR4 DIMM Memory Slot, Max. Supports up to 64 GB Memory

Each DIMM supports non-ECC and ECC Un-buffered 8/ 16/ 32 GB DDR4 module

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INTEGRATED VIDEO   By CPU model

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Supports DX12

Supports HDCP

STORAGE   4 x SATA III Connector (6Gb/s) : Supports AHCI & RAID 0, 1, 10

1 x M.2 (M Key) Socket:

Supports M.2 Type 2242/ 2260/ 2280 SSD module

Supports PCIe 4.0 x 4 (64Gb/s)/ 3.0 x 4 (32Gb/s)

Supports SATA III (6.0Gb/s) SSD

* M.2 (M Key) Socket (M2_PCIe-SATA1):

The bandwidth is depended on CPU.

Supports PCIe 4.0 x 4 (64Gb/s) speed, which depends only on Ryzen 3rd Gen Matisse.

LAN   Realtek RTL8111H

10/ 100/ 1000 Mb/s auto negotiation, Half / Full duplex capability

Supports Super LAN Surge Protection

AUDIO CODEC   ALC887

7.1 Channels, High Definition Audio, Hi-Fi (Front)

USB   8 x USB 3.2 (Gen1) ports (4 on rear I/Os and 4 via internal headers)

6 x USB 2.0 ports (2 on rear I/Os and 4 via internal headers)

EXPANSION SLOT   1 x PCIe 4.0/ 3.0 x 16 Slot:

Supports PCIe 4.0 x 16 mode with AMD Ryzen™ processors. (Matisse only)

Supports PCIe 3.0 x 16 mode AMD Ryzen™ with Radeon Vega Graphics processors. (Renoir only)

2 x PCIe 3.0 x 1 Slot

* According to different CPUs will have different speeds.

REAR I/O   1 x PS/2 Keyboard

1 x PS/2 Mouse

1 x HDMI Port

1 x VGA Port

1 x LAN port

4 x USB 3.2 (Gen1) Ports

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2 x USB 2.0 Ports

3 x Audio Jack

INTERNAL I/O   4 x SATA III (6.0Gb/s) Connectors

2 x USB 2.0 Header (each header supports 2 USB 2.0 ports)

2 x USB 3.2 (Gen1) Header (each header supports 2 USB 3.2 (Gen1) ports)

1 x 8-Pin Power Connector

1 x 24-Pin Power Connector

1 x CPU Fan Connector

1 x System Fan Connector

1 x Front Panel Header

1 x Front Audio Header

1 x Clear CMOS Header

1 x Internal Stereo Speaker Header

1 x COM Port Header

H/W MONITORING   CPU / System Temperature Monitoring

CPU / System Fan Monitoring

Smart / Manual CPU Fan Control

System Voltage Monitoring

DIMENSION   Micro ATX Form Factor Dimension: 24.4cm x 20.8cm (W x L)

OS SUPPORT   Supports Windows 10(64bit) / 11(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

FEATURES   Supports 100% Solid capacitor

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A.I FAN

PCIe M.2 4.0