H310MHP 3.0 Motherboard

- Supports 9th & 8th Generation Intel Core™ Processor
- Intel H310 single chip architecture
- Supports Dual Channel DDR4 2666/2400/2133/1866 MHz up to 32 GB Memory
- Supports HDMI® 4K resolution
- Supports GbE LAN
- Supports USB 3.2 Gen1

Specifcation	
CPU SUPPORT	Socket 1151 for 9th / 8th Gen Intel Core, Pentium and Celeron processors * 9th / 8th Generation Intel Core™ Processor Family only support 300-Series. * Please refer to www.biostar.com.tw for CPU support list.
MEMORY	Supports Dual Channel DDR4 2666/ 2400/ 2133/ 1866 2 x DDR4 DIMM Memory Slot, Max. Supports up to 32 GB Memory Each DIMM supports non-ECC 4/8/16GB DDR4 module * Please refer to www.biostar.com.tw for Memory support list.
INTEGRATED VIDEO	By CPU model Supports DX12 Supports HDCP
STORAGE	4 x SATA III Connectors (6Gb/s)
LAN	Realtek LAN Chip 10/ 100/ 1000 Mb/s auto negotiation, Half / Full duplex capability
AUDIO CODEC	ALC897 7.1 Channels, High Definition Audio Support HD Audio
USB	4 x USB 3.2(Gen1) ports (2 on rear I/Os and 2 via internal header) 6 x USB 2.0 ports (4 on rear I/Os and 2 via internal header)
EXPANSION SLOT	2 x PCIe 2.0 x1 Slots 1 x PCIe 3.0 x16 Slot (x16 mode)
REAR I/O	1x PS/2 Mouse Port 1x PS/2 Keyboard Port 1 x HDMI® Port 1 x VGA Port 1 x LAN Port 4 x USB 2.0 Ports 2 x USB 3.2(Gen1) Ports 3 x Audio Jack

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INTERNAL I/O	4 x SATA III Connectors (6Gb/s) 1 x USB 2.0 Header (each header supports 2 USB 2.0 ports) 1 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 Speaker Header 1 x Clear CMOS 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: 17.1cm x 22.6cm (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	BIO-FLASHER

OVERVIEW

Intel H310 chipset

The Intel® H310 chipset is a single-chipset design to support socket 1151 Intel® 8th generation Intel® Core™ processor-based platform. Provides excellent performance and increased bandwidth and stability. The PC platform features improved adaptive performance that adds speed when you need it. When combined with advanced system responsiveness, the platform delivers the ultimate PC experience.

HD Audio

Provides high quality sound with minimal loss of audio fidelity.

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.

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Integrated HDMI® with HDCP

Onboard HDMI® connector allows full video & audio support. It has industry-leading high definition video quality.

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 DDR4

The primary advantages of DDR4 over DDR3, include higher module density, lower voltage requirements, coupled with higher data transfer rate.

USB 3.2 Gen1 Type-A

USB 3.2 Gen1 delivers a compelling performance boosts and can be used to connect multiple devices without worrying about compatibility. It is capable of data transfer speeds up to 5Gbps and backwards compatible with all existing USB products.

100% Solid Caps

With armor-plated Biostar Technology, all capacitors are placed with 100% solid capacitors that have a lasting life cycle, durability and stability for crucial components.

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.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDMI®

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*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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