

H310MHD3-Q7 Motherboard

- Supports 9th & 8th Generation Intel® Core™ Processor
- Intel H310 single chip architecture
- Support 2-DIMM DDR3L-1333/1600/1866/2400 up to 32G maximum capacity
- Support USB 3.1 Gen1
- Support HDMI display port
- Support GbE LAN





Specification

CPU SUPPORT	9th Gen Intel® Core™ i9 LGA 1151 Processor 9th Gen Intel® Core™ i5 LGA 1151 Processor 9th Gen Intel® Core™ i3 LGA 1151 Processor 8th Gen Intel® Core™ i7 LGA 1151 Processor 8th Gen Intel® Core™ i5 LGA 1151 Processor 8th Gen Intel® Core™ i3 LGA 1151 Processor 8th Gen Intel® Pentium® LGA 1151 Processor 8th Gen Intel® Celeron® LGA 1151 Processor Maximum CPU TDP (Thermal Design Power) : 95Watt
MEMORY	Support DDR3L 1333/1600/1866/2400 MHz 2x DDR3L DIMM Memory Slots Max. Supports up to 32 GB Memory Each DIMM supports non-ECC 4/8/16GB DDR3L module
INTEGRATED VIDEO	By CPU model Supports DX12 Supports HDCP
STORAGE	4 x SATA III Connectors (6Gb/s)
LAN	Realtek RTL8111H GbE LAN - 10/100/1000Mb/s Controller Support Super LAN Surge Protection
AUDIO CODEC	Realtek ALC887 8-Channel HD Audio
USB	4 x USB 3.1 Gen1 Port (2 on rear I/Os and 2 via internal header) 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 2 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 HDMI Connector ,resolution up to 4096 x 2160@24Hz, compliant with HDMI 1.4 1 x VGA Port,resolution up to 1920 x 1200 @60Hz 1 x LAN Port 3 x Audio Jacks

INTERNAL I/O	1 x USB 3.1 Gen1 Header (each header supports 2 USB 3.1 Gen1 ports) 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 1 x COM Port Header
DIMENSION	Micro ATX Form Factor Dimension: 22.6 cm x 17.1 cm (W x L)
OS SUPPORT	Supports Windows 11(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

	<p>Intel H310 chipset</p> <p>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.</p>
	<p>HD Audio</p> <p>Provides high quality sound with minimal loss of audio fidelity.</p>
	<p>HDMI 4K2K</p> <p>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.</p>
	<p>DX12</p> <p>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.</p>
	<p>USB 3.1 Gen 1 Type-A</p> <p>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.</p>

	<h3>PCIe 3.0</h3> <p>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.</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>100% Solid Caps</h3> <p>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.</p>
	<h3>Super LAN Surge Protection</h3> <p>Super LAN Surge Protection, providing LAN port with more advanced antistatic protection capabilities by adding an integrated chip to strengthen electrical stability and prevent damage from lightning strikes and electrical surges. SLSP (Super LAN Surge Protection) series motherboard upgrades the existing system protection standards with maximum 4X protection comparing to other board makers.</p>
	<h3>HDMI</h3> <p>The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.</p>

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