

H110MHV3 Motherboard



- Supports 6th Generation Intel® Core™ Processor
- Intel H110 single chip architecture
- Support 2-DIMM DDR3L-1866(OC)/ 1600/ 1333 up to 16G maximum capacity
- Support USB 3.0
- Support HDMI® multimedia port
- Support GbE LAN

H110MHV3 Specification

CPU SUPPORT	<p>7th & 6th Gen Intel® Core™ i7 LGA 1151 Processor</p> <p>7th & 6th Gen Intel® Core™ i5 LGA 1151 Processor</p> <p>7th & 6th Gen Intel® Core™ i3 LGA 1151 Processor</p> <p>7th & 6th Gen Intel® Pentium® LGA 1151 Processor</p> <p>7th & 6th Gen Intel® Celeron® LGA 1151 Processor</p> <p>Maximum CPU TDP (Thermal Design Power) : 91Watt</p>
MEMORY	<p>Support Dual Channel DDR3L 1866(OC)/ 1600/ 1333 MHz</p> <p>2 x DDR3 DIMM Memory Slot</p> <p>Max. Supports up to 16GB Memory</p>
INTEGRATED VIDEO	<p>By CPU model</p> <p>Supports DX12</p> <p>Supports HDCP</p>
STORAGE	<p>4 x SATA III Connectors (6Gb/s)</p>
LAN	<p>Realtek RTL8111H - 10/100/1000Mb/s Controller</p>
AUDIO CODEC	<p>Realtek ALC887 8-Channel HD Audio</p>

USB	<ul style="list-style-type: none"> 2 x USB 3.0 Port 1 x USB 3.0 Header 2 x USB 2.0 Port 2 x USB 2.0 Header
EXPANSION SLOT	<ul style="list-style-type: none"> 1 x PCI-E 3.0 x16 Slot 1 x PCI-E 2.0 x1 Slot
REAR I/O	<ul style="list-style-type: none"> 1 x PS/2 Mouse 1 x PS/2 Keyboard 2 x USB 3.0 Port 2 x USB 2.0 Port 1 x HDMI® Connector, resolution up to 3840 x 2160 @30Hz, compliant with HDMI® 1 x VGA Port, resolution up to 1920 x 1200 @60Hz 1 x LAN Port 3 x Audio Jacks
INTERNAL I/O	<ul style="list-style-type: none"> 1 x USB 3.0 Header 2 x USB 2.0 Header 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 TPM Header
H/W MONITORING	<ul style="list-style-type: none"> CPU / System Temperature Monitoring CPU / System Fan Monitoring Smart / Manual CPU Fan Control System Voltage Monitoring
DIMENSION	Micro ATX Form Factor Dimension: 19cm x 17cm (W x L)
OS SUPPORT	Supports Windows 7 / 8.1(x64) / 10(x64)
BUNDLE SOFTWARE	<ul style="list-style-type: none"> BullGuard BIO-Remote2 Smart Speed LAN
ACCESSORIES	<ul style="list-style-type: none"> 2 x SATA Cable 1 x I/O Shield 1 x DVD Driver 1 x Quick Guide
FEATURES	<ul style="list-style-type: none"> Supports Solid capacitor BIO-FLASHER Supports Charger Booster Supports BIOS Online Update

H110MHV3 OVERVIEW

CPU-Chipset



Intel H110 chipset

The Intel® H110 chipset is a single-chipset design to support socket 1151 Intel® 6th generation Intel® Core™ processor-based platform. Provides excellent performance and increased bandwidth and stability. Intel® H110 chipset can also enable iGPU function, letting users enjoy the latest Intel® integrated graphic performance. 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.



Intel LGA 1151 6th Generation Intel Core™ Processor support

The 6th generation Intel® Core™ processors are based on 5th generation Intel® Core™ processor architecture, with the latest 14nm process to maximize the processor platform. Based on the new LGA 1151 socket, 5th generation Intel® Core™ processors with graphics with DX12 & OCL2.0 cores, the overall performance will meet your demand.

Audio+



HD Audio

Provides high quality sound with minimal loss of audio fidelity.

Video+



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.

Speed+



SmartSpeedLAN

SmartSpeedLAN is a free software application which monitors and manages your PC's network behavior. With user-friendly GUI, it allows you to select and prioritize different types of network traffic, including gaming, media streaming, communications or web surfing. You can also set any specific applications, choosing to prioritize or block accordingly. SmartSpeedLAN can feature automatic management options that use adaptive networking intelligence to ensure that you are getting the best online experience possible.



USB 3.0

Experience Fastest data transfers at 5 Gbps with USB 3.0--the new latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10X faster and backward compatible with previous USB 2.0 components.



Charger Booster

Charger booster is the best and efficient charger solution for apple devices such as iPad, iPhone. Basically, Charger booster Technology is able to boost the charging time to be more efficiency and faster once any apple goods connecting to our Motherboard. With charger booster technology, you are able to charge your apple devices up to 42 % faster.

Durable+

**Moistureproof
PCB**

Moistureproof of PCB

The popularity of PC usage and working environment is getting deteriorating and moist (rural, coastal, etc.). The PCB will be oxidizing easily by damp or absorbed moisture, and ionic migration or CAF (Conductive Anodic Filament) will be generated. Moisture-proof PCB meets high density and high reliability requirements for moisture proof.

**Low RdsOn
P-Pak MOS**

Low RdsOn P-Pak MOS

Low resistance design can significantly reduce the current out of energy loss. Low temperature, small size, excellent thermal conductivity.

Protection+



ESD Protection

ESD (Electrostatic Discharge) is the major factor to destroy the PC by electrical overstress (EOS) condition. ESD occurred by PC users when touch any devices connect to a PC, which may result in damage to the motherboard or parts. ESD protection is designed to protect the motherboard and equipment from damage by EOS.

**USB
Polyswitch**

USB Polyswitch

On board dedicated power fuse to help prevent USB port failure. It prevents USB Port overcurrent and safe guard your system and device lifespan.



OC / OV / OH Protection

OC / OV / OH Protection design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect your system.

DIY+



Header Zone

Users can easily assemble their own computer, a simple-swap data discs and other accessories.

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

BIOSTAR