

H110M-BTC Motherboard



- Supports 6th, 7th Generation Intel® Core™ Processor
- Intel H110 single chip architecture
- Supports 2-DIMM DDR4-2400/ 2133/ 1866 up to 32G maximum capacity
- Supports 6 x PCI-E slots
- Supports HDMI® multimedia port
- Supports USB 3.0

H110M-BTC Specification

CPU SUPPORT	<p>7th & 6th Gen Intel® Core™ i7 LGA 1151 Processor 7th & 6th Gen Intel® Core™ i5 LGA 1151 Processor 7th & 6th Gen Intel® Core™ i3 LGA 1151 Processor 7th & 6th Gen Intel® Pentium® LGA 1151 Processor 7th & 6th Gen Intel® Celeron® LGA 1151 Processor Maximum CPU TDP (Thermal Design Power) : 91Watt</p>
MEMORY	<p>Support Dual Channel DDR4 2400/ 2133/ 1866 MHz 2 x DDR4 DIMM Memory Slot Max. Supports up to 32GB Memory * DDR4 2400 for 7th Generation Intel® Core™ Processor Family</p>
INTEGRATED VIDEO	<p>By CPU model Supports DX12 Supports HDCP</p>
STORAGE	<p>4 x SATA III Connector</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 5 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 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 PCI-E 12V 4Pin Connector(Must be installed when using for mining.) 1 x COM Port 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: 24.4cm x 17.1cm (W x L)
OS SUPPORT	<ul style="list-style-type: none"> Supports Windows 10(x64) for Intel 7th Generation Processor ※Support Windows 7 / 8.1(x64) / 10(x64) for Intel 6th Generation Processor
BUNDLE SOFTWARE	<ul style="list-style-type: none"> BullGuard Smart Speed LAN(Windows 7/ 8.1 only)
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 100% Solid capacitor Supports Charger Booster Supports BIOS Online Update

H110M-BTC 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.

Speed+



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.



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.

Durable+



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

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.



High Quality ESD

BIOSTAR Hi-Fi series motherboards provide high quality ESD (Electro-Static Discharge) solution for its front I/O panel. This function prevents static electricity and reduces the damage to the motherboards when you are plugging or unplugging your headphone.

DIY+



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.



Bitcoin Mining

BIOSTAR offers a perfect choice for "Bitcoin Mining" with more PCI-E slots for users who wish to create a dedicated mining machine and getting a value oriented motherboard that can load up graphic cards is the ideal strategy.

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

BIOSTAR