

## TB360-BTC Expert 2.0 Motherboard





- Supports 9th & 8th Generation Intel Core™ Processor
- Intel H370 single chip architecture
- Supports 2-DIMM DDR4-1866/2133/2400/2666 up to 32G maximum capacity
- Supports 17 x PCIe 3.0 slots
- Supports M.2 (6Gb/s) Connector
- Supports HDMI Connector

### Specification

CPU SUPPORT	Socket 1151 for 9 <sup>th</sup> & 8 <sup>th</sup> Intel Core i7 / i5 / i3 / Pentium / Celeron processor * 8th Generation Intel Core™ Processor Family only support 300-Series. * Please refer to <a href="http://www.biostar.com.tw">www.biostar.com.tw</a> for CPU support list.
MEMORY	Supports Dual Channel DDR4 1866/ 2133/ 2400/ 2666 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 <a href="http://www.biostar.com.tw">www.biostar.com.tw</a> for Memory support list.
INTEGRATED VIDEO	By CPU model Supports DX12 Supports HDCP
STORAGE	4 x SATA III Connectors (6Gb/s) 1 x M.2 (M Key) Socket: Supports M.2 Type 2242/ 2260/ 2280 SSD module Supports SATA III (6Gb/s) SSD
LAN	Realtek LAN Chip 10/ 100/ 1000 Mb/s auto negotiation, Half / Full duplex capability * The motherboard network chip depends on the motherboard purchased by the user.
AUDIO CODEC	ALC887 7.1 Channels, High Definition Audio
USB	6 x USB 3.1(Gen1) ports (4 on rear I/Os and 2 via internal header) 6 x USB 2.0 ports (2 on rear I/Os and 4 via internal header)
EXPANSION SLOT	16 x PCIe 3.0 x1 Slots 1 x PCIe 3.0 x16 Slot * Maximum VGA cards mining support are depending on VGA Driver or mining software.

REAR I/O	<ul style="list-style-type: none"> <li>1 x PS/2 Mouse</li> <li>1 x PS/2 Keyboard</li> <li>1 x VGA Port</li> <li>1 x HDMI Port</li> <li>1 x LAN port</li> <li>2 x USB 2.0 Ports</li> <li>4 x USB 3.1(Gen1) Ports</li> <li>3 x Audio Jack</li> </ul>
INTERNAL I/O	<ul style="list-style-type: none"> <li>4 x SATA III Connectors (6Gb/s)</li> <li>2 x USB 2.0 Header (each header supports 2 USB 2.0 ports)</li> <li>1 x USB 3.1(Gen1) Header (each header supports 2 USB 3.1(Gen1) ports)</li> <li>1 x 8-Pin Power Connector</li> <li>2 x 24-Pin Power Connectors</li> <li>2 x 6-Pin PCIe Power Connectors</li> <li>1 x CPU Fan Connector</li> <li>2 x System Fan Connectors</li> <li>1 x Front Panel Header</li> <li>1 x Front Audio Header</li> <li>1 x COM Serial Header</li> <li>1 x Clear CMOS Header</li> </ul>
H/W MONITORING	<ul style="list-style-type: none"> <li>CPU / System Temperature Monitoring</li> <li>CPU / System Fan Monitoring</li> <li>System Fan Monitoring</li> <li>Smart / Manual CPU Fan Control</li> <li>System Voltage Monitoring</li> </ul>
DIMENSION	ATX Form Factor Dimension: 29.5cm x 21.0cm ( W x L )
OS SUPPORT	<ul style="list-style-type: none"> <li>Supports Windows 10(64bit)</li> <li>*Biostar reserves the right to add or remove support for any OS with or without notice.</li> </ul>
BUNDLE SOFTWARE	BullGuard
ACCESSORIES	<ul style="list-style-type: none"> <li>2 x SATA Cable</li> <li>1 x I/O Shield</li> <li>1 x DVD Driver</li> <li>1 x User Manual</li> </ul>
FEATURES	PCI-E Slot Detection BIOS Boot Screen

## OVERVIEW

	<p><b>Intel H370 chipset</b></p> <p>The Intel® H370 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. Intel® H370 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.</p>
	<p><b>HD Audio</b></p> <p>Provides high quality sound with minimal loss of audio fidelity.</p>

	<h3>HDMI 4K2K</h3> <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>
	<h3>DX12</h3> <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>
	<h3>Integrated HDMI with HDCP</h3> <p>Onboard HDMI connector allows full video &amp; audio support. It has industry-leading high definition video quality.</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>Dual DDR4</h3> <p>The primary advantages of DDR4 over DDR3, include higher module density, lower voltage requirements, coupled with higher data transfer rate.</p>
	<h3>USB 3.2 Gen1 Type-A</h3> <p>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.</p>
	<h3>Low RdsOn P-Pak MOS</h3> <p>Low resistance design can significantly reduce the current out of energy loss. Low temperature, small size, excellent thermal conductivity.</p>
	<h3>Moistureproof PCB</h3> <p>The PCB will be oxidizing easily by damp or absorbed moisture, and ionic migration or CAF (Conductive Anodic Filament) will be generated. Moistureproof PCB meets high density and high reliability requirements for moisture proof.</p>
	<h3>Super Anti-Surge Protection</h3> <p>BIOSTAR exclusive Anti-Surge design provides the best protection of board and extends the product life. Having the latest model of "Transient Voltage Suppressor" on-board can effectively protect the board circuit, reducing the shocks caused by ESD as well as other damages arising from overvoltage transients to enhance system durability.</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>ESD Protection</h3> <p>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.</p>
	<h3>OC / OV / OH Protection</h3> <p>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.</p>
	<h3>Header Zone</h3> <p>Users can easily assemble their own computer, a simple-swap data discs and other accessories.</p>
	<h3>Bitcoin Mining</h3> <p>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.</p>
	<h3>BIO-Flasher</h3> <p>BIO-Flasher is a convenient BIOS update tool. Just launch this tool and put the BIOS on USB pen driver before entering the OS. You can update your BIOS with only a few clicks without preparing an additional floppy disk or other complicated flash utility.</p>
	<h3>eHot-Line Utility</h3> <p>Integrated e-service automatically sends your technical support request to Biostar Globe tech support without any delay.</p>
	<h3>BIOScreen Utility</h3> <p>Personalize your desktop with customizable boot logo. BIOScreen is the new feature that lets you personalize and create your own style with unique, custom-made boot logo.</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!**