# TB560-BTC PRO Motherboard

- Supports 11th & 10th Generation Intel Core™ Processor
- Intel B560 single chip architecture
- Support 2-DIMM DDR4-1866/ 2133/ 2400/ 2666/ 2800/ 2933 up to 64G maximum capacity
- Support 11 x PCIe 3.0 slots
- Support 1 x PCIe 4.0 slots
- Support M.2 (6Gb/s) Connector
- Support HDMI® Connector

| Specifcation | |
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| CPU SUPPORT | Support for 11th/10th Generation Intel Core™ i9/ i7/ i5/ i3 processors and Intel Pentium processors/ Intel Celeron processors in the LGA1200 package<br>* Please refer to www.biostar.com.tw for CPU support list. |
| MEMORY | Supports Dual Channel DDR4 -1866/ 2133/ 2400/ 2666/2800/2933<br>2 x DDR4 DIMM Memory Slot, Max. Supports up to 64 GB Memory<br>Each DIMM supports non-ECC 4/8/16/32GB DDR4 module<br>Support Intel Extreme Memory Profile (XMP) memory modules<br>* Please refer to www.biostar.com.tw for Memory support list. |
| INTEGRATED VIDEO | By CPU model<br>Supports DX12<br>Supports HDCP |
| STORAGE | -- Total supports 1x M.2 socket and 4x SATA III (6Gb/s) ports<br>4 x SATA III Connector (6Gb/s)<br>1 x M.2 (M Key) Socket:<br>PCIE x 4 (Only 11th CPU)<br>(M Key) Socket (M2_PCIEG4_64G_1)<br>Supports PCIE Gen4 11th Generation Intel Core™ only<br>Supports M.2 Type 2242/2260/2280 SSD module<br>Supports PCI-E 4.0 x 4 (64Gb/s)<br>Supports Intel Rapid Storage Technology and Intel Optane Technology |
| LAN | RTL8111E<br>10/ 100/ 1000 Mb/s auto negotiation, Half / Full duplex capability |
| AUDIO CODEC | ALC897<br>8 Channel (2 Channel from Front Audio) |
| USB | 6 x USB 3.2 (Gen1) port (4 on rear I/Os and 2 via internal header)<br>6 x USB 2.0 port (2 on rear I/Os and 4 via internal header) |
| EXPANSION SLOT | 11 x PCIe 3.0 x1 Slot<br>1 x PCIe 4.0 x16 Slot (x16 mode) (Supports PCIE Gen4 11th Generation Intel Core™ only) |

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| REAR I/O | 1 x PS/2 Keyboard/Mouse Port<br>1 x HDMI® Port<br>1 x VGA Port<br>4 x USB 3.2 (Gen1) Port<br>2 x USB 2.0 Port<br>1 x LAN port<br>3 x Audio Jack |
| INTERNAL I/O | 4 x SATA III Connector (6Gb/s)<br>2 x USB 2.0 Header (each header supports 4 USB 2.0 ports)<br>1 x USB 3.2 (Gen1) Header (each header supports 2 USB 3.2 (Gen1) ports)<br>1 x 8-Pin Power Connector<br>2 x 24-Pin Power Connector<br>1 x CPU Fan Connector<br>2 x System Fan Connector<br>1 x Front Panel Header<br>1 x Front Audio Header<br>1 x Clear CMOS Header<br>1 x COM Port Header |
| H/W MONITORING | CPU / System Temperature Monitoring<br>CPU / System Fan Monitoring<br>System Fan Monitoring<br>Smart / Manual CPU Fan Control<br>System Voltage Monitoring |
| DIMENSION | ATX Form Factor Dimension: 30.48cm x 21.0cm ( W x L ) |
| OS SUPPORT | Supports Windows 10(64bit) / 11(64bit)<br>※Biostar reserves the right to add or remove support for any OS with or without notice. |
| BUNDLE SOFTWARE | BullGuard |
| ACCESSORIES | 2 x SATA Cable<br>1 x I/O Shield<br>1 x DVD Driver<br>1 x User Manual |
| FEATURES | PCI-E Slot Detection BIOS Boot Screen |

# OVERVIEW

## Intel B560 chipset

With the Intel® B560 chipset and the 10th/11th generation Intel® Core™ i9/ i7/ i5/ i3 processors and Intel® Pentium® processors, you will immediately be at the forefront of the battlefield, fueled by mind-blowing power and performance. From content creation to gaming, the Intel B560 chipset provides you with the power and performance you need.

## HD Audio

Provides high quality sound with minimal loss of audio fidelity.

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## 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.

## Integrated HDMI® with HDCP

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

## Intel GbE LAN

Unlike ordinary LAN solution, Intel® GbE LAN offers fewer CPU resource consumption and more bandwidth stability. Thus, Intel® LAN is the best choice for performance seekers.

## PCIe M.2

PCIe M.2 32Gb/s delivers the highest bandwidth and lower latency. It is 3 times faster compared with PCIe M.2 10Gb/s.

## 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.

## PCIe 4.0

PCIe 4.0 is the ubiquitous and general-purpose PCI Express I/O standard. At 16GT/s bit rate, the interconnect performance bandwidth is doubled over PCIe 3.0, while preserving compatibility with software and mechanical interfaces.

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| | **PCIe 4.0 M.2**<br>PCIe 4.0 M.2 delivers the highest bandwidth and lower latency. It is 2 times faster compared with PCIe 3.0 M.2 . |
| HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE | **HDMI®**<br>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. |

*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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