

X570GTA Motherboard




- Supports AMD Ryzen 5000 Vermeer / Ryzen APU processors
- AMD X570 single chip architecture
- Supports 4-DIMM DDR4-1866/ 2133/ 2400/ 2667/2933(OC)/ 3200(OC)/ 3600(OC)/ 4000+(OC) up to 128GB maximum capacity
- Supports USB 3.1 Gen1
- Supports PCI-e M.2 4.0 (64Gb/s)
- Supports HDMI® 4K resolution

Specification

CPU SUPPORT	支援AM4插槽 for 3 rd and 2 nd Gen Ryzen/3 rd , 2 nd and 1 st Gen Ryzen with Radeon Vega Graphics 處理器 支援AM4插槽 for 4th Gen (Vermeer) 處理器 * 請瀏覽映泰網站 www.biostar.com.tw 獲得CPU的支援列表。
MEMORY	支援雙通道 DDR4 1866/ 2133/ 2400/ 2667 支援雙通道 DDR4 2933(OC)/ 3200(OC)/ 3600(OC)/ 4000+(OC) 4 x DDR4 DIMM 插槽，支援最高容量為128GB 每根DIMM支援non-ECC 和 ECC Un-buffered 8/ 16/ 32 GB DDR4記憶體模組 * DDR4 - 2667 僅適用於 Ryzen CPU * 請瀏覽映泰網站 www.biostar.com.tw 獲得記憶體的支援列表
INTEGRATED VIDEO	By CPU model Supports DX12 Supports HDCP
STORAGE	6 x SATA III 接頭(6Gb/s): 支援 AHCI & RAID 0, 1, 10 1 x M.2 (Key M) 插槽: 支援SATA III (6.0Gb/s) SSD 支援PCIe 4.0 x 4 (64Gb/s) 速度, 僅取決於 Ryzen 3rd Gen Matisse
LAN	RTL8111H 10/ 100/ 1000 Mb/s 半/全雙功能，自動協商模式
AUDIO CODEC	ALC887 7.1 聲道，支援高解析音效輸出
USB	8 x USB 3.1 Gen1 (5Gb/s) 連接埠(後側面板4個連接埠，內建接頭支援4個連接埠) 6 x USB 2.0 連接埠(後側面板2個連接埠，內建接頭支援4個連接埠)
EXPANSION SLOT	2 x PCIe 3.0 x1 插槽 1 x PCIe 3.0 x16 插槽: 支援 x 4 mode (PEX16_2) : 支援 x 4 lanes with AMD® Ryzen™ 2nd and 3rd Gen 處理器 1 x PCIe 4.0 x16 Slot (PEX16_1)* Note : 支援 x 16 (x16, x8) lanes with AMD® Ryzen™ 2nd and 3rd Gen 處理器 支援 x 8 lanes with AMD® Ryzen™ with Radeon Vega Graphics 處理器 * 根據不同的CPU會有不同的速度 * 備註: PCIe 4.0 僅適用於 AMD® Ryzen™ 3rd Gen Matisse

REAR I/O	<ul style="list-style-type: none"> 1 x PS/2 鍵盤連接埠 1 x HDMI® 連接埠 1 x VGA 連接埠 1 x LAN 連接埠 4 x USB 3.1 Gen1 (5Gb/s) 連接埠 2 x USB 2.0 連接埠 3 x 音效連接埠
INTERNAL I/O	<ul style="list-style-type: none"> 6 x SATA III 接頭 (6.0Gb/s) 2 x USB 2.0 連接埠(每個接頭支援2個USB2.0連接埠) 2 x USB 3.1 Gen1 (5Gb/s) 連接埠(每個接頭支援2個USB3.1(Gen1)連接埠) 1 x 電源插槽(8-Pin) 1 x 電源插槽(24-Pin) 1 x CPU 風扇接頭 1 x 系統風扇接頭 1 x 系統風扇接頭 (南橋散熱器風扇接頭：此連接器僅適用於南橋散熱器風扇) 1 x 前置面板接頭 1 x 前置音效接頭 1 x 清除CMOS組態資料接頭 1 x 序列埠接頭 2 x LED 接頭(12V/ 5V)
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	ATX Form Factor Dimension: 305mm x 243mm (W x L)
OS SUPPORT	<ul style="list-style-type: none"> Supports Windows 10(64bit) / 11(64bit) ※如有增加或減少任何OS支援，Biostar保留不預先通知的權利。
BUNDLE SOFTWARE	<ul style="list-style-type: none"> Racing GT EVO Utility BullGuard
ACCESSORIES	<ul style="list-style-type: none"> 4 x SATA Cable 1 x I/O Shield 1 x DVD Driver 1 x User Manual
FEATURES	<ul style="list-style-type: none"> VIVID LED DJ Supports Solid capacitor A.I FAN Iron Slot Protection PCIe M.2 4.0

OVERVIEW

	<p>AMD X570 chipset</p> <p>AMD X570 is the high-end chipset for overclockers and tweakers who need robust platforms. This chip provides the ultimate low-level control to its users and delivers ultimate graphics card bandwidth. It also supports PCI-E Gen4 bandwidth</p>
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	<p>Hi-Fi</p> <p>A combination of exclusive hardware & software design including "ground-isolation circuit design", "an independent audio power", and "a built-on-board amplifier", with all these hardware features gives you the best audio quality and performance. As for software, we offer you a free bundle utility "Multi-Channel Calibration" which normally you'll find in high level sound systems; this feature allows you to auto detect your location; with a user friendly interface, you can easily adjust the volume of every speakers to make a well balanced surround sound. And of course, the built-on-board amplifier always gives you a super powerful sound comparing to other motherboards.</p>
	<p>HD Audio</p> <p>Provides high quality sound with minimal loss of audio fidelity.</p>
	<p>Hi-Fi Ground</p> <p>BIOSTAR Hi-Fi Ground (Golden Line) is noise-blocking multi-layer PCB design to isolates analog audio signals from digital sources. Unique PCB layout is ideal for exceptional clarity and high fidelity sound.</p>
	<p>Hi-Fi Sound</p> <p>BIOSTAR Hi-Fi series motherboards have a sampling rate of 192kHz/24-bit which delivers a high quality audio through an analog connection to your home theater system, multi-channel speakers and high-end headphone. You can enjoy real Blu-ray grade high-definition sound that you've never experienced before.</p>
	<p>Smart Ear</p> <p>Smart EAR is a windows-based audio utility which allows you to easily adjust system volume. With its user-friendly GUI, you can also increase or decrease impedance setting (Low/High Gain) to optimize your headphone performance. You can easily enjoy high-quality and awesome sound.</p>
	<p>Hi-Fi Cap</p> <p>Hi-Fi Cap delivers low noise, low distortion, and wide bandwidth to achieve the highest sound resolution and sound expansion. It ensures the most realistic sound effects to gaming enthusiasts.</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>

	<h3>Integrated HDMI® with HDCP</h3> <p>Onboard HDMI® connector allows full video & audio support. It has industry-leading high definition video quality.</p>
	<h3>USB 3.1 Gen 1 Type-A</h3> <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>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>PCIe 4.0</h3> <p>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.</p>
	<h3>PCIe 4.0 M.2</h3> <p>PCIe 4.0 M.2 delivers the highest bandwidth and lower latency. It is 2 times faster compared with PCIe 3.0 M.2 .</p>
	<h3>Super Durable Ferrite Choke</h3> <p>Super Durable Ferrite Choke brings the benefits of higher current capacity, lower energy loss and better power stability.</p>
	<h3>Super Durable Solid Caps</h3> <p>The best quality solid state capacitors with ultra low ESR design, the Super Durable Solid Caps doubles the lifespan.</p>
	<h3>Moistureproof of PCB</h3> <p>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.</p>
	<h3>Iron Slot Protection</h3> <p>The exclusive Iron Slot Protection can reinforce PCI-E x16 slots to handle heavier graphics cards, prevent bending, and extend longevity of the slot, making the new-gen RACING Series much more robust.</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>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>BullGuard Internet Security (90 days FREE trial)</h3> <p>BullGuard Internet Security comes with the broadest line-up of internet security features on the market, including: a cutting-edge dual Antivirus engine, Online Backup for your precious files, PC Tune Up to speed up your system, a Game Mode for a seamless gaming experience, Parental Control, Firewall, Safe Browsing and many more. Make the most of your digital life with Bullguard!</p>
	<h3>VIVID LED DJ</h3> <p>New VIVID LED DJ with more customizability and options to control multiple RGB LED lighting zones independently. Users can control color, speed and brightness for different modes at ease. Moreover, have more possibilities for users to create unlimited creativity with 5050 LED FUN ZONE which comes with dual RGB LED products.</p>
	<h3>UEFI BIOS</h3> <p>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.</p>
	<h3>A.I FAN</h3> <p>With A.I FAN users can ensure that their gaming PC can maintain its performance while staying cool. According to different cooling needs and usage scenarios, users can control speed modes. Allows users to have more customizability of fan modes and automatically detects different temperatures to make fan operate at defined speed for optimal cooling performance.</p>
	<h3>LED ROCK ZONE</h3> <p>LED ROCK ZONE comes with the RGB 12V LED header and Digital 5V LED header which offer more colorful lighting options to DIY lovers. Adjusting the color of LED and changing system colors by VIVID LED DJ will make you fully enjoy the process of PC modding developing your personal style.</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!



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