

## B350M Motherboard




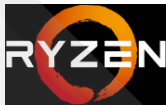


- Supports AMD<sup>®</sup> A-series APU, Ryzen APU / Ryzen CPU
- Supports Dual Channel DDR4 1866/2133/2400/2667/2933
- Support USB 3.1 Gen1
- Support HDMI

### Specification

CPU SUPPORT	Supports AMD AM4 Socket for 3 <sup>rd</sup> , 2 <sup>nd</sup> and 1 <sup>st</sup> Gen Ryzen/2 <sup>nd</sup> and 1 <sup>st</sup> Gen Ryzen with Radeon Vega Graphics/Athlon with Radeon Vega Graphics/7 <sup>th</sup> Gen A-Series/Athlon X4 Processors
MEMORY	Supports Dual Channel DDR4 1866/2133/2400/2667/2933 2 x DDR4 DIMM Memory Slot, Max. Supports up to 32 GB Memory Each DIMM supports non-ECC 8/16 GB DDR4 module * DDR4 - 2933 only for Ryzen2 CPU. * 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	4x SATA III Connector (6Gb/s) : Supports AHCI & RAID 0, 1, 10
LAN	Realtek RTL 8111H 10/ 100/ 1000 Mb/s auto negotiation, Half / Full duplex capability
AUDIO CODEC	ALC887 7.1 Channels, High Definition Audio
USB	4x USB 3.1 Gen1 (5Gb/s) port (2 on rear I/Os and 2 via internal headers) 8x USB 2.0 port (4 on rear I/Os and 4 via internal headers)
EXPANSION SLOT	2x PCIe 2.0 x1 Slot 1x PCIe 3.0 x16 Slot (When using APU, the bandwidth is x8 speed)
REAR I/O	1x PS/2 Keyboard / Mouse 1x VGA Port 1x HDMI Port 1x LAN port 2x USB 3.1 Gen1 (5Gb/s) Port 4x USB 2.0 Port 3x Audio Jack

INTERNAL I/O	4x SATA III 6.0Gb/s Connector 2x USB 2.0 Header (each header supports 2 USB 2.0 ports) 1x USB 3.1 Gen1 (5Gb/s) Header (each header supports 2 USB 3.1 Gen1 ports) 1x 4-Pin Power Connector 1x 24-Pin Power Connector 1x CPU Fan Connector 1x System Fan Connector 1x Front Panel Header 1x Front Audio Header 1x COM Port Header 1x Clear CMOS Header
H/W MONITORING	CPU / System Temperature Monitoring CPU / System Fan Monitoring Smart / Manual CPU / System Fan Control System Voltage Monitoring
DIMENSION	Micro ATX Form Factor Dimension: 22.6cm x 17.4cm ( W x L )
OS SUPPORT	Supports Windows 7(64bit) / 10(64bit) / 11(64bit) * Biostar reserves the right to add or remove support for any OS with or without notice.
BUNDLE SOFTWARE	BullGuard
ACCESSORIES	2 x SATA Cable 1 x I/O Shield 1 x DVD Driver 1 x Quick Guide
FEATURES	Supports 100% Solid capacitor BIO-FLASHER

## OVERVIEW

	<p><b>AMD B350 chipset</b></p> <p>AMD B350 is the mainstream chipset and offers the most value in terms of I/O and functionality.</p>
	<p><b>AMD AM4 Ryzen CPU support</b></p> <p>AMD's new AM4 platform will accompany Ryzen. It brings all of the new tech that you'd expect, including DDR4 RAM, PCI-E Gen 3, USB 3.1 Gen 2, NVMe and SATA Express.</p>
	<p><b>HD Audio</b></p> <p>Provides high quality sound with minimal loss of audio fidelity.</p>
	<p><b>HDMI 4K2K</b></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>

	<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>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>PCIe 3.0</h3> <p>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.</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>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>100% Solid Caps</h3> <p>With armor-plated Biostar Technology, all capacitors are placed with 100% solid capacitors that have a lasting life cycle, durability and stability for crucial components.</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>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>



## HDMI

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\*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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