B365MHC Motherboard

- Supports 9th & 8th Generation Intel® Core™ Processor
- Intel B365 single chip architecture
- Support 2-DIMM DDR4-1866/ 2133/ 2400/ 2666 up to 32GB maximum capacity
- Support M.2(32Gb/s)
- Support Intel® Optane Technology
- Support USB 3.1 Gen1
- Support HDMI® display port
- Support GbE LAN

Specifcation	
CPU SUPPORT	Socket 1151 for 9th / 8th Gen Intel® Core, Pentium and Celeron processors Maximum CPU TDP (Thermal Design Power): 95Watt * 9th / 8th Generation Intel® CoreTM Processor Family only support 300-Series. * Please refer to www.biostar.com.tw for CPU support list.
MEMORY	Support Dual Channel DDR4 1866/ 2133/ 2400/ 2666 MHz 2 x DDR4 DIMM Memory Slot Max. Supports up to 32GB Memory Each DIMM supports non-ECC 4/8/16GB DDR4 module ※Please refer to www.biostar.com.tw 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) 32Gb/s Connector: Supports PCI-E (32Gb/s) & SATA III (6Gb/s) SSD, Intel® Optane Technology
LAN	Realtek RTL8111H - 10/100/1000Mb/s Controller
AUDIO CODEC	Realtek ALC887 8-Channel HD Audio Support HD Audio
USB	6 x USB 3.1 Gen1 Port (4 on rear I/Os and 2 via internal header) 6 x USB 2.0 Port (2 on rear I/Os and 4 via internal header)
EXPANSION SLOT	1 x PCI-E 3.0 x16 Slot 2 x PCI-E 3.0 x1 Slot
REAR I/O	1 x PS/2 Mouse 1 x PS/2 Keyboard 4 x USB 3.1 Gen1 Port 2 x USB 2.0 Port 1 x HDMI® Connector 1 x VGA Port 1 x LAN Port 3 x Audio Jacks

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INTERNAL I/O	1 x USB 3.1 Gen1 Header (each header supports 2 USB 3.1 Gen1 ports) 2 x USB 2.0 Header (each header supports 2 USB 2.0 ports) 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 4-Pin Power Connector 1 x 24-Pin Power Connector 1 x Clear CMOS Header 1 x COM Port Header
H/W MONITORING	CPU / System Temperature Monitoring CPU / System Fan Monitoring Smart / Manual CPU Fan Control CPU/DDR Voltage Monitoring
DIMENSION	Micro ATX Form Factor Dimension: 22.8cm x 17.7 cm (W x L)
OS SUPPORT	Supports Windows 10(64bit) /11(64bit) ※Biostar reserves the right to add or remove support for any OS with or without notice.
BUNDLE SOFTWARE	BullGuard Smart Speed LAN
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 PCIe M.2 32Gb/s

OVERVIEW

Intel B365 chipset

Give your small business a boost with the Intel® B365 Chipset and the 9th Generation Intel® Core™ processor. The Intel B365 chipset provides you with the power and performance you need for your small business, entertainment and digital life.

HD Audio

Provides high quality sound with minimal loss of audio fidelity.

Hi-Fi Ground

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.

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.

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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.

USB 3.1 Gen 1 Type-A

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.

PCIe M.2 32Gb/s

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

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.

100% Solid Caps

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.

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.

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	BullGuard Internet Security (90 days FREE trial) 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!
	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.
	Header Zone Users can easily assemble their own computer, a simple-swap data discs and other accessories.
	BIO-Flasher 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.
	HDMI® 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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ESG