A320MH 6.x

- Support AMD Ryzen CPU / APU
- AMD A320 single chip architecture
- Support 2-DIMM DDR4-2933/2667/2400/2133/1866 up to 32G maximum capacity
- Support HDMI
- Support USB 3.1 Gen1

Chipset	• AMD A320
CPU SUPPORT	• AMD A-series APU / Ryzen CPU / NPU for Socket AM4
MEMORY	• Support Dual Channel DDR4 2933/2667/2400/2133/1866 MHz • Support Non-ECC & ECC Un-buffered DIMM Memory modules • 2 x DDR4 DIMM Memory Slot • Max. Supports up to 32GB Memory • * DDR4 2933 for AMD Ryzen CPU • ※DDR4 speed depends on CPU type
INTEGRATED VIDEO	• By CPU model • Supports DX12 • Supports HDCP
STORAGE	• 4 x SATA III Connectors (6Gb/s) • Support SATA RAID: 0,1,10
LAN	• Realtek RTL8111H - 10/100/1000Mb/s Controller
AUDIO CODEC	• Realtek ALC887 8-Channel HD Audio • Support HD Audio
USB	• 2 x USB 3.1 Gen1 Ports • 1 x USB 3.1 Gen1 Header

	• 4 x USB 2.0 Ports • 2 x USB 2.0 Header
EXPANSION SLOT	• 1 x PCI-E 3.0 x16 Slot(x16 for Ryzen CPU only, NPU/APU run at x8 speed) • 2 x PCI-E 3.0 x1 Slots
REAR I/O	• 1 x PS/2 Keyboard/Mouse • 2 x USB 3.1 Gen1 Ports • 4 x USB 2.0 Ports • 1 x HDMI Connector, resolution up to 4096 x 2160 @24Hz or 3840 x 2160 @30Hz • 1 x VGA Port, resolution up to 1920 x 1200 @60Hz • 1 x LAN Port • 3 x Audio Jacks
INTERNAL I/O	• 1 x USB 3.1 Gen1 Header • 2 x USB 2.0 Headers • 4 x SATA III Connectors (6Gb/s) • 1 x Front Audio Header • 1 x Front Panel Header • 1 x CPU Fan Connector • 1 x System Fan Connector • 1 x COM Port Header
H/W MONITORING	• CPU / System Temperature Monitoring • CPU / System Fan Monitoring • Smart / Manual CPU Fan Control • System Voltage Monitoring
DIMENSION	• Micro ATX Form Factor Dimension: 22.6cm x 17.4cm (W x L)
OS SUPPORT	• Support Windows 10(x64) Support Windows 7 (x64) for Bristol / Summit /Pinnacle Ridge only
BUNDLE SOFTWARE	• BullGuard

	• Smart Speed LAN(Windows 7 only)
ACCESSORIES	• 2 x SATA Cable • 1 x I/O Shield • 1 x DVD Driver • 1 x Quick Guide
FEATURES	• Supports 100% Solid capacitor • Supports BIOS-Flasher • Supports BIOS Online Update

Audio+

HD Audio Provides high quality sound with minimal loss of audio fidelity.	

Video+

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.	

Speed+

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.	
PCI-E Gen 3.0 PCI-E 3.0 is the next evolution of the ubiquitous and general-purpose PCI Express I/O standard. At 8GT/s bit rate, the interconnect performance bandwidth is doubled over PCI-E 2.0, while preserving compatibility with software and mechanical interfaces.	

Durable+

Moistureproof 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.	
Low RdsOn P-Pak MOS Low resistance design can significantly reduce the current out of energy loss. Low temperature, small size, excellent thermal conductivity.	
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.	

Protection+

ESD Protection ESD (Electrostatic Discharge) is the major factor to destroy PC by electrical overstress(EOS) condition, ESD occurred by PC users when touch any devices connect to PC, which may result in damage to motherboard or parts .ESD protection is designed to protect the motherboard and equipment from damage by EOS	ESD Protection
USB Polyswitch On board dedicated power fuse to help prevent USB port failure. It prevents USB Port overcurrent and safegurand your system and device lifespan.	USB Polyswitch
OC / OV / OH Protection All BIOSTAR special circuit 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. Over current protection, avoid motherboard from damage when doing overclock or an unusual current import. Over heat protection, avoid motherboard & CPU from burning when exceeding the temperature limitation.	OVER Current / Voltage / Heat Protection

CPU-Chipset Features

AMD A320 chipset AMD's A320 chipset provides a simple, stable platform and more than enough connectivity and bandwidth options to satisfy both demanding home users and media aficionados.	AMD SOCKET AM4 A320