

MSI B450M MORTAR MAX Military Style AMD M-ATX Gaming Motherboard (Global)

Sale Price: 11500.0



PRODUCT ID: 04169

Basic Information

Supported CPU	Supports 1st, 2nd and 3rd Gen AMD Ryzen/ Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics/ Athlon with Radeon Vega Graphics Desktop Processors for Socket AM4
Chipset	AMD B450 Chipset
BIOS	Flash BIOS Button
Form Factor	M-ATX Form Factor
Audio	Realtek ALC892 Code: - 7.1-Channel High Definition Audio - Supports S/PDIF output

Expansion Slots

PCI	- 1 x PCIe 3.0 x16 slot (PCI_E1) - Supports x16 speed with 1st, 2nd and 3rd Gen AMD Ryzen processors - Supports x8 speed with Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics processors - Supports x4 speed with AMD Athlon with Radeon Vega Graphics Processors - 1 x PCIe 2.0 x16 slot (PCI_E4, supports x4 mode)1 - 2 x PCIe 2.0 x1 slots2
M.2 Socket	AMD B450 Chipset: - 1 x M.2 slots (M2_2, Key M)1 - Supports PCIe 2.0 x4 2242/ 2260 /2280 storage devices AMD CPU: - 1x M.2 slot (M2_1, Key M)1 - Supports PCIe 3.0 x4 (1st, 2nd and 3rd Gen AMD Ryzen/ Ryzen with Radeon Vega Graphics and 2nd Gen (AMD Ryzen with Radeon Graphics) or PCIe 3.0 x2 (AMD Athlon with Radeon Vega Graphics)and SATA 6Gb/s 2242/ 2260 /2280 storage devices

Basic Information

Memory

Type	DDR4
Slots	- 1 x PCIe 3.0 x16 slot (PCI_E1) - Supports x16 speed with 1st, 2nd and 3rd Gen AMD Ryzen processors - Supports x8 speed with Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics processors - Supports x4 speed with AMD Athlon with Radeon Vega Graphics Processors - 1 x PCIe 2.0 x16 slot (PCI_E4, supports x4 mode) - 2 x PCIe 2.0 x1 slots
Supported Memory	- Supports 1866/ 2133/ 2400/ 2667Mhz (by JEDEC) - Supports 1866/ 2133/ 2400/ 2667Mhz (by JEDEC) - Supports 2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466 MHz (by A-XMP OC MODE) - Supports non-ECC UDIMM memory - Supports ECC UDIMM memory (non-ECC mode)
Maximum Memory	- support up to 64GB

Graphics

Graphics	Only support when using AMD Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics/ Athlon with Radeon Vega Graphics Processors
Max Shared Memory	Maximum shared memory of 2048 MB

Connector & Ports

HDMI	1 x HDMI 1.4 port, supports a maximum resolution of 4096x2160 @30Hz, 2560x1600 @60Hz
Display Port (s)	1 x DisplayPort, support a maximum resolution of 4096x2304 @60Hz, 2560x1600 @60Hz, 3840x2160 @60Hz, 1920x1200 @60Hz
DVI-D (s)	Yes
USB (s)	AMD B450 Chipset: - 1 x USB 3.2 Gen2 (SuperSpeed USB 10Gbps) Type-C port on the back panel - 1 x USB 3.2 Gen2 (SuperSpeed USB 10Gbps) Type-A port on the back panel - 2 x USB 3.2 Gen1 (SuperSpeed USB) ports available through the internal USB 3.2 Gen1 connector - 6 x USB 2.0 (High-speed USB) ports (2 Type-A ports on the back panel, 4 ports available through the internal USB 2.0 connectors) AMD CPU AMD Processor: - 4 x USB 3.2 Gen1 (SuperSpeed USB) Type-A ports on the back panel
LAN Port (s)	1 x Realtek RTL8111H-CG Gigabit LAN controller

Basic Information

Supported Storage	AMD B450 Chipset: - 4 x SATA 6Gb/s ports1 - 1 x M.2 slots (M2_2, Key M)1 - Supports PCIe 2.0 x4 2242/ 2260 /2280 storage devices AMD CPU: - 1x M.2 slot (M2_1, Key M)1 - Supports PCIe 3.0 x4 (1st, 2nd and 3rd Gen AMD Ryzen/ Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics) or PCIe 3.0 x2 (AMD Athlon with Radeon Vega Graphics)and SATA 6Gb/s 2242/ 2260 /2280 storage devices
Audio	- 7.1-Channel High Definition Audio - Supports S/PDIF output
Internal I/O Ports	1 x 24-pin ATX 12V power connector 1 x 8-pin ATX 12V power connector 4 x SATA 6Gb/s connectors 2 x USB 2.0 connectors (support additional 4 USB 2.0 ports) 1 x USB 3.2 Gen1 connector (support additional 2 USB 3.2 Gen1 ports) 1 x 4-pin CPU fan connector 3 x 4-pin system fan connectors 2 x 5050 RGB LED strip 12V connectors 1 x Front panel audio connector 2 x System panel connectors 1 x Chassis Intrusion connector 1 x Clear CMOS jumper 1 x Serial Port connector 1 x Parallel Port connector
TPM (Trusted Platform Module)	1 x TPM module connector

Others

Special Features	RAID: AMD B450 Chipset - Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices - Supports RAID 0 and RAID 1 for M.2 NVMe RAID
Bundled Software	- Support for Windows 10 64-bit - Support for Windows 7 64-bit (To support Windows 7 64-bit, must install an AMD Pinnacle Ridge & Summit Ridge CPU)

Warranty Information

Manufacturing Warranty	03 Years Warranty
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