

## MSI B450 GAMING PLUS MAX AM4 AMD ATX Motherboard

Sale Price: 15500.0



PRODUCT ID: 04167

### Basic

#### Information

Supported CPU	Supports 1st, 2nd and 3rd Gen AMD Ryzen, Ryzen with Radeon Vega Graphics, 2nd Gen AMD Ryzen with Radeon Graphics and Athlon with Radeon Vega Graphics Desktop Processors for Socket AM4
Chipset	AMD B450 Chipset
Form Factor	ATX Form Factor
Audio	7.1-Channel High Definition Audio

#### Expansion

##### Slots

PCI	1 x PCIe 3.0 x16 slot (PCI_E1) 1st, 2nd and 3rd Gen AMD Ryzen support x16 mode Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics support x8 mode Athlon with Radeon Vega Graphics support x4 mode 1 x PCIe 2.0 x16 slot (PCI_E4, supports x4 mode)1 4 x PCIe 2.0 x1 slots1
M.2 Socket	- 1 x M.2 slot (Key M)

#### Memory

Type	DDR4
Slots	4 x DDR4 memory slots, support up to 64GB

## Basic Information

Supported Memory	<ul style="list-style-type: none"> <li>- Supports 1866/ 2133/ 2400/ 2667Mhz (by JEDEC)</li> <li>- For AMD Ryzen Gen3 (R5/R7/R9)</li> <li>- Supports 2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466/ 3733/ 3866/ 4000/4133 MHz (by A-XMP OC MODE)</li> <li>- For AMD Other CPU</li> <li>- Supports 2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466MHz (by A-XMP OC MODE)</li> <li>- Dual channel memory architecture</li> <li>- Supports non-ECC UDIMM memory</li> <li>- Supports ECC UDIMM memory (non-ECC mode)</li> </ul>
Maximum Memory	MAX MEMORY (GB): 64

## Graphics

Graphics	<ul style="list-style-type: none"> <li>- 1 x DVI-D port, support a maximum resolution of 1920x1200 @60Hz</li> <li>- 1 x HDMI 1.4 port, supports a maximum resolution of 4096x2160 @30Hz, 2560x1600 @60Hz</li> <li>- Only support when using Ryzen with Radeon Vega Graphics, 2nd Gen AMD Ryzen with Radeon Graphics and Athlon with Radeon Vega Graphics processors</li> </ul>
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
DVI-D (s)	1 x DVI-D port, support a maximum resolution of 1920x1200 @60Hz
USB (s)	<p>AMD B450 Chipset:</p> <ul style="list-style-type: none"> <li>- 2 x USB 3.2 Gen2 (SuperSpeed USB 10Gbps) Type-A ports on the back panel</li> <li>- 2 x USB 3.2 Gen1 (SuperSpeed USB) ports available through the internal USB 3.2 Gen1 connector</li> <li>- 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)</li> </ul> <p>AMD CPU:</p> <ul style="list-style-type: none"> <li>- 2 x USB 3.2 Gen1 (SuperSpeed USB) Type-A ports on the back panel</li> </ul>
LAN Port (s)	- 1 x Realtek 8111H Gigabit LAN controller
Supported Storage	<p>AMD CPU:</p> <ul style="list-style-type: none"> <li>2 x SATA 6Gb/s ports</li> <li>1 x M.2 slot (Key M)</li> </ul> <p>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 (Athlon with Radeon Vega Graphics) and SATA 6Gb/s 2242/ 2260/ 2280/ 22110 storage devices</p> <p>AMD B450 Chipset:</p> <ul style="list-style-type: none"> <li>4 x SATA 6Gb/s ports</li> </ul>
Audio	-7.1-Channel High Definition Audio

## Basic Information

Internal I/O Ports	1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector 6 x SATA 6Gb/s connectors 2 x USB 2.0 connectors (support additional 4 USB 2.0 ports) 1 x USB 3.2 Gen1 connectors (support additional 2 USB 3.2 Gen1 ports) 1 x 4-pin CPU fan connector 1 x 4-pin water-pump-fan connector 4 x 4-pin system fan connectors 1 x Front panel audio connector 2 x System panel connectors 1 x Serial port connector 1 x Parallel port connector 1 x Chassis Intrusion connector 1 x Clear CMOS jumper 2 x 5050 RGB LED strip 12V connectors
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TPM (Trusted Platform Module)	1 x TPM module connector
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## Others

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.
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## Warranty Information

Manufacturing Warranty	03 years warranty
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