

MSI B450M PRO-VDH MAX AMD AM4 Gaming Motherboard

Sale Price: 11000.0



PRODUCT ID: 04170

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
Form Factor	9.6 in. x 9.6 in. (24.4 cm x 24.4 cm) m-ATX Form Factor

Expansion

Slots

PCI	1 x PCIe 3.0 x16 slot 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 2 x PCIe 2.0 x1 slots
M.2 Socket	1 x M.2 slot (Key M) 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 Supports 2242/ 2260 /2280 storage devices

Memory

Type	Dual Channel Architecture
Slots	4 x DDR4 memory slots

Basic Information

Supported Memory	Supports 1866/ 2133/ 2400/ 2667Mhz (by JEDEC) For AMD Ryzen Gen3 (R5/R7/R9) Supports 2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466/ 3733/ 3866 MHz (by A-XMP OC MODE) For AMD Other Processors Supports 2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466 MHz (by A-XMP OC MODE) Supports Dual Channel mode Supports ECC UDIMM memory (non-ECC mode) Support non-ECC UDIMM memory
Maximum Memory	64GB

Graphics

Graphics	1 x VGA port, supports a maximum resolution of 2048x1280@60Hz, 1920x1200@60Hz 1 x DVI-D port, supports a maximum resolution of 1920x1200@60Hz 1 x HDMI™ 1.4 port, supports a maximum resolution of 4096x2160 @30Hz, 2560x1600 @60Hz
Max Shared Memory	Maximum shared memory of 2048 MB

Connector & Ports

HDMI	1 x HDMI 1.4 port (resolution of 4096x2160 @30Hz, 2560x1600 @60Hz)
DVI-D (s)	Yes 1 x DVI-D port (resolution of 1920x1200@60Hz)
USB (s)	AMD B450 Chipset 2 x USB 3.2 Gen1 (SuperSpeed USB) ports through the internal USB 3.2 Gen1 connector 8 x USB 2.0 (High-speed USB) ports (4 ports on the back panel, 4 ports available through the internal USB connectors) AMD processor 4 x USB 3.2 Gen1 (SuperSpeed USB) Type-A ports on the back panel
LAN Port (s)	1 x Realtek 8111H Gigabit LAN controller
Supported Storage	AMD B450 Chipset 4 x SATA 6Gb/s ports Supports RAID 0, RAID1 and RAID 10 1 x M.2 slot (Key M) 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 Supports 2242/ 2260 /2280 storage devices
Audio	Realtek ALC892 Codec 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
	4 x SATA 6Gb/s connectors
	2 x USB 2.0 connectors (supports additional 4 USB 2.0 ports)
	1 x USB 3.1 Gen1 connector (supports additional 2 USB 3.1 Gen1 ports)
	1 x 4-pin CPU fan connector
	2 x 4-pin system fan connectors
	1 x Front panel audio connector
	2 x Front panel connectors
	1 x Chassis Intrusion connector
	1 x Serial port connector
	1 x Parallel port connector
	1 x RGB LED strip connector
	1 x Clear CMOS jumper

TPM (Trusted Platform Module)	1 x TPM module connector
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Warranty Information

Manufacturing Warranty	03 Years Warranty
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