B550MPRO-VDHWIFI

MSI B550M PRO-VDH WiFi 3rd Gen AMD Ryzen Socket AM4 mATX Motherboard

Product Overview

MSI B550M PRO-VDH WiFi 3rd Gen AMD Ryzen Socket AM4 mATX Motherboard, AMD Socket AM4, AMD B550 Chipset, 4 DIMM slots, 128GB Maximum Memory, 1x PCI-e x16, PCI-e GEN3/4, 2x PCI-e x1, 2x M.2 slot, 1x Realtek RTL8111HN Gigabit LAN, USB 3.2 ports, USB 2.0 ports, Serial ports, Audio ports, DisplayPort, VGA, HDMI, mATX form factor, 4x SATA 6Gb/s ports, 7.1-channel high definition audio, Intel Dual Band Wireless-AC 3168, Bluetooth



Specifications

Features:

PRO series
PRO series helps users work smarter by delivering an efficient and productive experience. Featuring stable functionality and high-quality assembly, PRO series motherboards provide not only optimized professional workflows but also less troubleshooting and longevity.

USER FRIENDLY DESIGN
MSI motherboards feature tons of convenient and smart design for DIY users, countless system tuning and troubleshooting tools are at your disposal to push your system to new heights and satisfy even the most demanding tweaker. Makes it so easy to install your own motherboard without any issue.

M.2 SHIELD FROZR
Worlds fastest SSDs can start to lower performance when getting hot. Part of the motherboards heatsink design, M.2 SHIELD FROZR is the next generation M.2 thermal solution to avoid this by offering the best thermal protection to make sure that SSD maintains maximum performance.

With MSI M.2 Shield FROZR

- Prevents throttling
- Maximizes drive performance
- Higher maximum SSD speeds

CONNECTIVITY
The most important thing of DIY is expandability. MSI PRO series motherboards feature plenty possibility for prosumers need. Stable LAN, faster storage and USB transfer speed and other expandable connectors are ready to enlarge your flexibility.

EXPERIENCE MORE

MSI PRO series motherboards are designed to satisfy any professional workflow. Elevate your listening pleasure and enjoy extreme sound quality. Moreover, with years of experience in creating performance enhancing tools that are easy to use, only the highest quality applications are at your disposal. The extensive features let you fine-tune your system to deliver reliable maximum performance.

PCB WITH 2OZ THICKENED COPPER

An enhanced PCB design with 2oz thickened copper increases conductivity, improving heat dissipation and performance reliability especially during overclocking.

Specifications:

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Specifications	
Product Code	4719072733698
Qucik spec	
Socket	AMD Socket AM4
CPU (Max Support)	Support for 3rd Gen AMD Ryzen processors and future AMD Ryzen processors with BIOS update
Chipset	AMD B550 Chipset
DDR4 Memory	1866/ 2133/ 2400/ 2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466/ 3600/ 3733/ 3866/ 4000/ 4133/ 4266/ 4400 + Mhz by JEDEC and A-XMP OC MODE
Memory Channel	Dual
DIMM Slots	4
Max Memory (GB)	128
PCI-E x16	1
PCI-E Gen	Gen4 / Gen3
PCI-E x1	2
SATAIII	4
M.2 Slot	2
RAID	0/1/10
TPM (header)	1
LAN	1x Realtek RTL8111HN Gigabit LAN
WiFi & Bluetooth	Y
USB 3.2 ports (Front)	1(Gen 1, Type C), 2(Gen 1, Type A)
USB 3.2 ports (Rear)	4(Gen 1, Type A)
USB 2.0 ports (Front)	4
USB 2.0 ports (Rear)	2
Serial ports(Front)	1
Audio ports (Rear)	Realtek ALC892/ALC897 Codec

DisplayPort	1
VGA	1
HDMI	1
DirectX	12
Form Factor	MATX
Operating System	Support for Windows 10 64-bit
Detailed Spec	
CPU	Supports AM4 socket 3rd Gen AMD Ryzen processors, and future AMD Ryzen processors with BIOS update
Chipset	AMD B550 Chipset
Memory	4x DDR4 memory slots, support up to 128GB
	Supports DDR4 1866/ 2133/ 2400/ 2667/ 2800/ 2933/ 3000/ 3066/ 3200 MHz by JEDEC
	Supports DDR4 2667/ 2800 /2933 /3000 /3066 /3200 /3466 /3600/ 3733 /3866 /4000 /4133 /4266 /4400+ MHz by A-XMP OC MODE
	1DPC 1R max speed 4400 MHZ
	1DPC 2R max speed 3733 MHZ
	2DPC 1R max speed 3866 MHZ
	2DPC 2R max speed 3466 MHZ
	Dual channel memory architecture
	Supports non-ECC UDIMM memory
	Supports ECC UDIMM memory
	Supports un-buffered memory
Expansion Slot	1x PCIe 4.0/ 3.0 x16 slot (PCI_E1)
	2x PCIe 3.0 x1 slots
	1. The supported specification depends on installed processor.
Onboard Graphics	1x VGA port, supports resolution of 2048x1536 @50Hz, 2048x1280 @60Hz, 1920x1200 @60Hz
	1x DisplayPort, supports a maximum resolution of 4096x2160 @60Hz
	1x HDMI 2.1 port, supports a maximum resolution of 4096x2160 @60Hz
	Maximum shared memory of 16 GB
	1. Available for the processor with integrated graphics.
	2. Graphics specifications may vary depending on the CPU installed.

Storage	AMD B550 Chipset
	4x SATA 6Gb/s ports
	2x M.2 slots (Key M)
	M2_1 slot (from AMD Processor)
	Supports PCIe 4.0/ 3.0 x4
	Supports SATA 6Gb/s
	Supports 2242/ 2260/ 2280 storage devices
	M2_2 slot (from AMD B550 chipset)
	Supports PCIe 3.0x4
	Supports 2242/ 2260/ 2280 storage devices
	1. The supported specification depends on installed processor.
RAID	Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices
	Supports RAID 0 and RAID 1 for M.2 NVMe storage devices
USB	AMD B550 Chipset
	3x USB 3.2 Gen 1 5Gbps ports (1 Type-C internal connector, and 2 ports are available through the internal USB 3.2 Gen 1 5Gbps connector)
	6x USB 2.0 ports (2 Type-A ports on the back panel, 4 ports through the internal USB 2.0 connectors)
	AMD Processor
	4x USB 3.2 Gen 1 5Gbps Type-A ports on the back panel
Audio	Realtek ALC892/ALC897 Codec
	7.1-Channel High Definition Audio
LAN	1x Realtek 8111HN Gigabit LAN controller
Wireless LAN & Bluetooth	Intel Dual Band Wireless-AC 3168
	Supports Wi-Fi 802.11 a/b/g/n/ac, dual band (2.4GHz, 5GHz) up to 433 Mbps speed.
	Supports Dual Mode Bluetooth 2.1, 2.1+EDR, 3.0, 4.0, BLE, 4.2

Internal connectors	1x 24-pin ATX main power connector
	1x 8-pin ATX 12V power connector
	4x SATA 6Gb/s connectors
	2x M.2 slots (M-Key)
	1x USB 3.2 Gen 1 5Gbps Type-C port
	1x USB 3.2 Gen 1 5Gbps connector (supports additional 2 USB 3.2 Gen 1 5Gbps ports)
	2x USB 2.0 connectors (supports additional 4 USB 2.0 ports)
	1x 4-pin CPU fan connector
	1x 4-pin water-pump fan connector
	3x 4-pin system fan connectors
	1x Front panel audio connector
	2x System panel connectors
	1x Serial port connector
	1x Chassis Intrusion connector
	2x 4-pin RGB LED connectors
	2x 3-pin RAINBOW LED connectors
	1xTPM module connector
	1x Clear CMOS jumper
Back panel ports	1. VGA
	2. USB 3.2 Gen 1 5Gbps Type-A
	3. Keyboard / Mouse
	4. LAN
	5. Flash BIOS Button
	6. DisplayPort
	7. HDMI
	8. USB 2.0
	9. USB 3.2 Gen 1 5Gbps Type-A
	10. Wi-Fi Antenna connectors
	11. 3x Audio jacks
Dimensions	Micro-ATX Form Factor
	9.6 in. x 9.6 in. (24.4 cm x 24.4 cm)
MOUNTING	8 mounting holes
Box content	1. MSI does not guarantee the risks or damages caused by changing the cover.
	2. These pictures are for reference only and may vary without notice.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/B550MPRO-VDHWIFI-MSI-B550M-PRO-VDH-WiFi-3rd-Gen-AMD-Ryzen-Socket-AM4-mATX-Motherboard-p-259042.php

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