



# msi

MOTHERBOARD  
**B550M PRO-VDH WIFI**  
BUSINESS ELEGANCE



## SPECIFICATIONS

|                           |                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model Name</b>         | B550M PRO-VDH WIFI                                                                                                                            |
| <b>CPU Support</b>        | Support for 3rd Gen AMD <sup>™</sup> Ryzen <sup>™</sup> processors and future AMD <sup>™</sup> Ryzen <sup>™</sup> processors with BIOS update |
| <b>CPU Socket</b>         | AMD Socket AM4                                                                                                                                |
| <b>Chipset</b>            | AMD <sup>™</sup> B550 Chipset                                                                                                                 |
| <b>Graphics Interface</b> | 1x PCIe 4.0 / 3.0 x16 slot                                                                                                                    |
| <b>Display Interface</b>  | DisplayPort, HDMI, VGA - Requires Processor Graphics                                                                                          |
| <b>Memory Support</b>     | 4 DIMMs, Dual Channel DDR4-4400 MHz (OC)                                                                                                      |
| <b>Expansion Slots</b>    | 2x PCIe 3.0 x1 slots                                                                                                                          |
| <b>Storage</b>            | 1x M.2 Gen4 x4 slot, 1x M.2 Gen3 x4 slot, 4x SATA 6Gbps ports                                                                                 |
| <b>USB ports</b>          | 7x USB 3.2 Gen 1 5Gbps (5 Type-A + 1 Type-C) + 4x USB 2.0                                                                                     |
| <b>LAN</b>                | Realtek <sup>™</sup> RTL8111H Gigabit LAN                                                                                                     |
| <b>Wi-Fi / Bluetooth</b>  | Intel <sup>™</sup> Wireless-AC 3168, Bluetooth 4.2                                                                                            |
| <b>Audio</b>              | 8-Channel (7.1) HD Audio with Audio Boost                                                                                                     |

## CONNECTIONS



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 / Bluetooth
11. HD Audio Connectors

## FEATURES



### Core Boost

With premium layout and fully digital power design to support more cores and provide better performance.



### DDR4 Boost

Advanced technology to deliver pure data signals for the best gaming performance and stability.



### Lightning Gen4 Solution

The latest Gen4 PCIe and M.2 solution with up to 64GB/s bandwidth for maximum transfer speed.



### M.2 Shield FROZR

Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster.



### PCI-E Steel Armor

Protecting VGA cards against bending and EMI



### Mystic Light Extension

Control additional RGB or Rainbow strip added to your system with Dragon Center.



### 2oz Thickened Copper PCB

An enhanced PCB design improves heat dissipation and performance reliability.



### Audio Boost

Reward your ears with studio grade sound quality for the most immersive audio experience.

# Motherboard User Manual

**Padhraic Smyth**



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