



SPECIFICATIONS

Model Name	PRO Z690-A WIFI
CPU Support	Supports 12th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z690 Chipset
Graphics Interface	1x PCIe 5.0 x16 slot 1x PCIe 3.0 x16 slot Supports AMD® CrossFire™ Technology
Display Interface	Support 4K@60Hz as specified in HDMI 2.1, DisplayPort 1.4 - Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5-6400+MHz(OC)
Expansion Slots	1x PCIe 3.0 x16 slot 1x PCIe 3.0 x1 slot
Storage	3x M.2 Gen4 x4 64Gbps slots 1x M.2 Gen3 x4 32Gbps slot 6x SATA 6Gbps ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (1 Type-C) 2x USB 3.2 Gen 2 10Gbps (1 Type-A + 1 Type-C) 6x USB 3.2 Gen 1 5Gbps (6 Type-A) 8x USB 2.0
LAN	Intel® I225-V 2.5G LAN
Wireless / Bluetooth	Intel® Wi-Fi 6E module, Bluetooth 5.2
Audio	8-Channel (7.1) HD Audio with Audio Boost

FEATURES



Lightning Gen 5

The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.



Wi-Fi 6E

The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.



Lightning USB 20G

Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.



Erweiterter Kühlkörper

Durch ein optimiertes PWM- und Schaltkreis-Design arbeiten auch High-End-Prozessoren mit Höchstgeschwindigkeiten.



M.2 Shield FROZR

Diese integrierte M.2-Kühlösung schützt und optimiert deine M.2 Geräte



2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.



EZ Debug LED

Hilfreiche LED-Anzeige für leichtes Troubleshooting.



Frozr AI Cooling

Detect CPU & GPU temperatures and automatically adjust system fan duty to a proper value.



Memory Boost

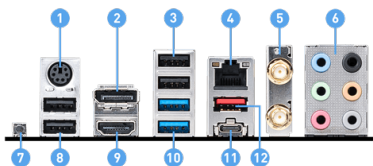
Advanced technology to deliver pure data signals for the best performance, stability and compatibility.



Core Boost

Die Kombination aus ausgeklügeltem Motherboard-Layout und 8+4-Pin-Stromanschluss entfachen maximale CPU-Leistung.

CONNECTIONS



- | | |
|-----------------------------------|---------------------------------|
| 1. Keyboard / Mouse | 2. DisplayPort |
| 3. USB 2.0 | 4. LAN port |
| 5. WIFI / Bluetooth | 6. Audio connector |
| 7. Flash BIOS Button | 8. USB 2.0 |
| 9. HDMI | 10. USB 3.2 Gen 1 5Gbps Type-A |
| 11. USB 3.2 Gen 2x2 20Gbps Type-C | 12. USB 3.2 Gen 2 10Gbps Type-A |