

MOTHERBOARDS

PRO Z690-P DDR4 BUSINESS ELEGANCE





SPECIFICATIONS

Model Name	PRO Z690-P DDR4
CPU Support	Supports 12th/ 13th Gen Intel [®] Core [™] Processors, Pentium [®]
	Gold and Celeron [®] Processors
CPU Socket	LGA 1700
Chipset	Intel [®] Z690 Chipset
Graphics	1x PCle 5.0 x16 slot
Interface	1x PCle 3.0 x16 slot
	Supports AMD® CrossFire [™] Technology
Display Interface	Support 4K@30Hz as specified in HDMI 1.4b, DisplayPort 1.4
	- Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-5000+MHz(OC)
Expansion Slots	3x PCIe 3.0 x1 slots
	1x M.2 2230 with E-Key for Wi-Fi Module
Storage	2x M.2 Gen4 x4 64Gbps slots
	supports Intel® Optane [™] Technology
	4x SATA 6Gbps ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (1 Type-C)
	8x USB 3.2 Gen 1 5Gbps (8 Type-A)
	6x USB 2.0
LAN	Realtek [®] RTL8125BG 2.5G LAN
Audio	8-Channel (7.1) HD Audio with Audio Boost

FEATURES



Optimum Thermal Solution



Wavy Fin Design, Direct Touch Cross Heat-pipe, MOSFET Baseplate, double-sided M.2 Shield Frozr, and Frozr AI software ensure the extreme performance with low temp.



8+4 Pin power supply



By providing 8+4 pin connectors to ensure adequate power supply to unleash ultimate multi-core CPU performance.

Memory Boost



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

Core Boost



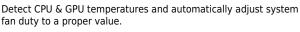
With premium layout and fully digital power design to support more cores and provide better performance.



EZ Debug LED

Easiest way to troubleshoot.

Frozr AI Cooling



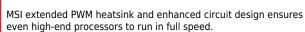
2.5G Network Solution



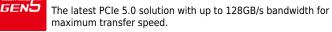
Featuring premium 2.5G LAN to deliver better network experience.



Extended Heatsink Design



Lightning Gen 5

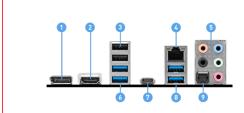


Lightning USB 20G



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

CONNECTIONS



- 1. DisplayPort
- 3. USB 2.0
- 5. Audio Connectors
- 7. USB 3.2 Gen 2x2 20Gbps Type-C
- 9. Optical S/PDIF Out
- 2. HDMI
- 4. LAN port
- 6. USB 3.2 Gen 1 5Gbps Type-A
- 8. USB 3.2 Gen 1 5Gbps Type-A