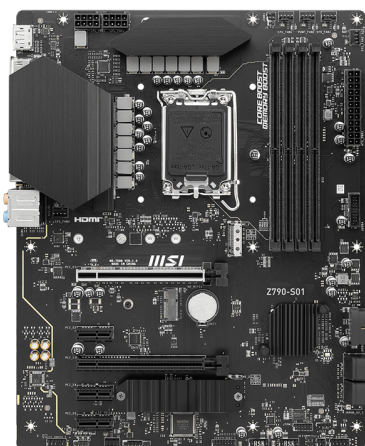




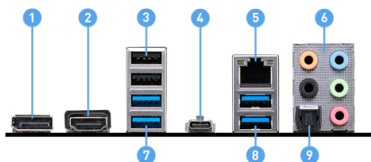
SPECIFICATIONS

Model Name	Z790-S01
CPU Support	Support Intel® Core™ 14th/ 13th/ 12th Gen Processors, Intel® Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z790 Chipset
Expansion Slots	1x PCIe 5.0 x16 slot 1x PCIe 3.0 x16 slot 3x PCIe 3.0 x1 slots 1x M.2 slot with E-key for PCIe WiFi module only
Display Interface	Support 4K@30Hz as specified in HDMI™ 1.4, DisplayPort 1.4 - Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5-6600+MHz(OC)
Storage	2x M.2 Gen4 x4 64Gbps slots 4x SATA 6Gbps ports
USB ports	1x USB 3.2 Gen 2x2 20G (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

- Lightning Gen 5**
The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.
- Lightning USB 20G**
Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.
- Extended Heatsink Design**
MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.
- M.2 Shield FROZR**
Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster.
- 2.5G Network Solution**
Featuring premium 2.5G LAN to deliver better network experience.
- 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**
With premium layout and fully digital power design to support more cores and provide better performance.

CONNECTIONS



- DisplayPort
- HDMI™
- USB 2.0
- USB 3.2 Gen 2x2 20Gbps Type-C
- 2.5G LAN
- Audio Connectors
- USB 3.2 Gen 1 5Gbps Type-A
- USB 3.2 Gen 1 5Gbps Type-A
- S/PDIF-OUT