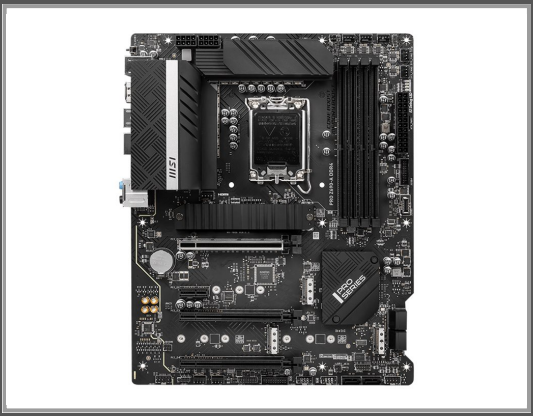
MSI PRO Z690-A DDR4 - Motherboard

ATX - LGA1700 Socket - Z690 Chipset - USB-C Gen2 - USB 3.2 Gen 1 - USB 3.2 Gen 2 - USB-C Gen 2x2 - 2.5 Gigabit LAN - onboard graphics (CPU required) - HD Audio (8-channel)



Group	Motherboards
Manufacturer	MSI
Manufacturer item no.	7D25-002R
EAN/UPC	4719072886622

Description

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.

Main features

Product Description	MSI PRO Z690-A DDR4 - motherboard - ATX - LGA1700 Socket - Z690
Product Type	Motherboard - ATX
Chipset Type	Intel Z690
Processor Socket	1 x LGA1700 Socket
Compatible Processors	(supports 12th Generation Intel Core / Pentium Gold / Celeron)
Max RAM Size	128 GB
RAM Supported	4 DIMM slots - DDR4, non-ECC, unbuffered
Storage Ports	6 x SATA-600 (RAID), 4 x M.2
USB / FireWire Ports	1 x USB-C Gen 2x2 + 1 x USB 3.2 Gen 2 + 2 x USB 3.2 Gen 1 + 4 x USB 2.0 + (1 x USB-C Gen 2 + 4 x USB 3.2 Gen 1 + 4 x USB 2.0 via headers)
Audio	HD Audio (8-channel)
LAN	2.5 Gigabit Ethernet

Extended details

	General
Product Type	Motherboard - ATX
Chipset Type	Intel Z690
Processor Socket	LGA1700 Socket
Max Processors Qty	1
Compatible Processors	(supports 12th Generation Intel Core / Pentium Gold / Celeron)
	Supported RAM
Max Size	128 GB
Technology	DDR4

Bus Clock	2133 MHz, 2666 MHz, 2933 MHz, 4000 MHz (O.C.), 4400 MHz (O.C.), 4800 MHz (O.C.), 3200 MHz, 5200 MHz (O.C.)
Supported RAM Integrity Check	Non-ECC
Registered or Buffered	Unbuffered
Features	Dual channel memory architecture, Intel Extreme Memory Profiles (XMP)
	Audio
Type	HD Audio (8-channel)
Audio Codec	Realtek ALC897
Compliant Standards	High Definition Audio
	LAN
Network Controller	Intel I225-V
Network Interfaces	2.5 Gigabit Ethernet
	Expansion / Connectivity
Expansion Slots	1 x CPU ¦ 4 x DIMM 288-pin ¦ 1 x PCIe 5.0 x16 ¦ 1 x PCIe 3.0 x16 (x4 mode) ¦ 1 x PCIe 3.0 x1 ¦ 1 x PCIe 3.0 x16 (x1 mode)
Storage Interfaces	SATA-600 -connectors: 6 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 / RAID 5 ¦ PCIe 4.0 -connectors: 2 x M.2 - RAID 0 / RAID 1 / RAID 5 ¦ SATA-600 / PCIe 4.0 -connectors: 1 x M.2 - RAID 0 / RAID 1 / RAID 5 ¦ SATA-600 / PCIe 3.0 -connectors: 1 x M.2 - RAID 0 / RAID 1 / RAID 5
RAID Features	Intel Smart Response Technology
Interfaces	1 x HDMI ¦ 1 x DisplayPort ¦ 2 x USB 3.2 Gen 1 ¦ 4 x USB 2.0 ¦ 1 x LAN (2.5Gigabit Ethernet) ¦ 1 x PS/2 keyboard / mouse ¦ 1 x USB-C Gen2x2 ¦ 1 x audio line-out - mini-jack ¦ 1 x microphone - mini-jack ¦ 1 x audio line-out (center/subwoofer) - mini-jack ¦ 1 x audio line-out (rear) - mini-jack ¦ 1 x audio line-in - mini-jack ¦ 1 x audio line-out (side surround) - mini-jack ¦ 1 x USB 3.2 Gen 2
Internal Interfaces	4 x USB 2.0 - header ¦ 4 x USB 3.2 Gen 1 - header ¦ 1 x USB-C Gen2 - header ¦ 1 x audio - header
Power Connectors	24-pin main power connector, 2 x 8-pin ATX12V connectors
	Features
Hardware Features	AMD CrossFireX technology support, Debug LED, 6 Layer PCB, MSI Steel Armor, Double ESD Protection, Intel Optane Memory Ready, 2oz Copper PCB, M.2 Shield FROZR, MSI Core Boost, 14+1+1 Phase Power Design, Windows 11 compatible
	Miscellaneous
Included Accessories	I/O back plate, Wi-Fi aerial, m.2 screw / standoff sets, 2 x M.2 clips
Cables Included	2 x Serial ATA cable
Software Included	Drivers & Utilities
Width	30.5 cm
Depth	24.4 cm
	Manufacturer Warranty
Service & Support	Limited warranty - 3 years

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