



# MSI PRO Z690-A DDR4 Intel Z690 LGA 1700 ATX

Marke : MSI

Artikel-Code: 7D36-004R

Produktname : PRO Z690-A DDR4

MSI PRO Z690-A DDR4. Prozessorhersteller: Intel, Prozessorsockel: LGA 1700, Kompatible Prozessoren: Intel® Celeron®, Intel® Core™ i3, Intel Core i5, Intel Core i7, Intel Core i9, Intel® Pentium®. Unterstützte Arbeitsspeicher: DDR4-SDRAM, RAM-Speicher maximal: 128 GB, Arbeitsspeicher Typ: DIMM. Unterstützte Speicherlaufwerk-Schnittstellen: M.2,SATA III, Unterstützte Speicherlaufwerke: HDD & SSD. Parallele Verarbeitungstechnologie: Crossfire. Ethernet Schnittstellen Typ: 2.5 Gigabit Ethernet, LAN-Controller: Intel I225-V



Prozessor		E/A-Anschlüsse auf der Rückseite	
Prozessorhersteller *	Intel	Anzahl USB 2.0 Anschlüsse *	4
Prozessorsockel *	LGA 1700	Anzahl USB 3.2 Gen 1 (3.1 Gen 1) Typ-A Ports *	2
Kompatible Prozessoren *	Intel® Celeron®, Intel® Core™ i3, Intel Core i5, Intel Core i7, Intel Core i9, Intel® Pentium®	USB 3.2 Gen 2 (3.1 Gen 2) Anzahl der Steckplätze vom Typ A *	1
Maximale Anzahl an SMP-Prozessoren	1	USB 3.2 Gen 2x2 Typ-C Anzahl Anschlüsse	1
Speicher		Anzahl Ethernet-LAN-Anschlüsse (RJ-45) *	1
Unterstützte Arbeitsspeicher *	DDR4-SDRAM	Anzahl HDMI-Anschlüsse *	1
Anzahl der Speichersteckplätze *	4	HDMI-Version	2.1
Arbeitsspeicher Typ	DIMM	Anzahl DisplayPort Anschlüsse	1
Speicherkanäle	Dual-channel	DisplayPorts-Version	1.4
Ohne ECC	✓	S/PDIF-Ausgang	✓
Unterstützte Arbeitsspeichergeschwindigkeit	4000,4400,4800,5200 MHz	Optischer Audio-Digitalausgang	1
RAM-Speicher maximal *	128 GB	Netzwerk	
Unbuffered Speicher	✓	Eingebauter Ethernet-Anschluss	✓
Speicher-Controller		Ethernet Schnittstellen Typ	2.5 Gigabit Ethernet
Unterstützte Speicherlaufwerke	HDD & SSD	LAN-Controller	Intel I225-V
Unterstützte Speicherlaufwerk-Schnittstellen *	M.2,SATA III	WLAN *	✗
RAID-Unterstützung	✓	Merkmale	
RAID Level	0,1,5,10	Motherboard Chipsatz *	Intel Z690
Grafik		Audio-Chip	Realtek ALC897
Parallele Verarbeitungstechnologie *	Crossfire	Audio Kanäle *	7.1 Kanäle
		Komponente für *	PC
		Motherboardformfaktor *	ATX
		Motherboard Chipsatz Familie *	Intel
		Anzahl der Befestigungsbohrungen	9
Interne E/A-Anschlüsse		Erweiterungssteckplätze	
Anzahl USB 2.0 Schnittstellen *	2	PCI-Express x1 (Gen 3.x)-Anschlüsse	1
USB 3.2 Gen 1 (3.1 Gen 1) Anschlüsse *	2	PCI-Express x16-Slots	3
SATA III Anschlüsse *	6	BIOS	
Front Panel Audiostecker	✓	Clear CMOS-Jumper	✓
ATX Stromstecker (24-pol.)	✓	Gewicht und Abmessungen	
CPU Ventilatorstecker	✓	Breite	305 mm
Zahl der Chassisventilatorstecker	6		
Chassis Intrusion Stecker	✓		
TPM-Verbinder	✓		

**Interne E/A-Anschlüsse**

12-V-Stromanschluss

**Gewicht und Abmessungen**

Tiefe

244 mm



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