

ASUS ROG MAXIMUS Z690 FORMULA Intel Z690 LGA 1700 ATX

Brand : ASUS

Product code: 90MB18G0-M0EAY0

Product name : ROG MAXIMUS Z690 FORMULA

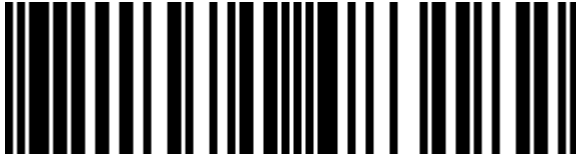
ATX, Intel Z690 chipset, Socket LGA 1700, 4xDDR5 DIMM slots, 7.1 ch audio, 10-Gigabit LAN, Wi-Fi 6E, Bluetooth 5.2, AMI UEFI BIOS

ASUS ROG MAXIMUS Z690 FORMULA. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel Pentium G. Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, PCI Express 3.0, PCI Express 4.0, PCI Express 5.0, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Maximum resolution: 3840 x 2160 pixels. USB connector type: USB Type-A, USB Type-C



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor socket *	LGA 1700	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel Pentium G	HDMI ports quantity *	1
		HDMI version	2.1
		Headphone outputs	5
		Microphone in	✓
		S/PDIF out port	✓
		Thunderbolt ports quantity	2
		WiFi-AP antenna jack	1
		USB connector type	USB Type-A, USB Type-C
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	4	Ethernet interface type	10 Gigabit Ethernet
Memory slots type	DIMM	Wake-on-LAN ready	✓
Memory channels	Dual-channel	Wi-Fi *	✓
ECC compatibility	Non-ECC	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Maximum internal memory *	128 GB	Bluetooth	✓
Unbuffered memory	✓	Bluetooth version	5.2
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	Intel Z690
Supported storage drive interfaces *	M.2, PCI Express 3.0, PCI Express 4.0, PCI Express 5.0, SATA III	Audio chip	Realtek ALC4082
Number of storage drives supported	11	Audio output channels *	7.1 channels
RAID support	✓	Component for *	PC
RAID levels	0, 1, 5, 10	Motherboard form factor *	ATX
		Motherboard chipset family *	Intel
		Windows operating systems supported	Windows 10 x64, Windows 11 x64
Graphics			
Parallel processing technology support *	Not supported		
Maximum resolution	3840 x 2160 pixels		
Internal I/O			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2		
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		
Number of SATA III connectors *	6		
Front panel audio connector	✓		

Internal I/O		Expansion slots	
ATX Power connector (24-pin)	✓	PCI Express x16 (Gen 4.x) slots	1
CPU fan connector	✓	PCI Express x16 (Gen 5.x) slots	2
Number of chassis fan connectors	4	Number of M.2 (M) slots	3
EPS power connector (8-pin)	✓	BIOS	
TPM connector	✓	BIOS type *	UEFI AMI
12V power connector	✓	BIOS memory size	256 Mbit
RGB LED pin header	✓	Clear CMOS button	✓
Rear panel I/O ports		Logistics data	
USB 2.0 ports quantity *	3	Harmonized System (HS) code	84733020
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Height	108 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓
		Other features	
		Weight	1.59 kg



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