



ASUS ROG MAXIMUS Z690 FORMULA Intel Z690 LGA 1700 ATX

Brand : ASUS

Product code: 90MB18G0-M0EAY0

Product name : ROG MAXIMUS Z690 FORMULA

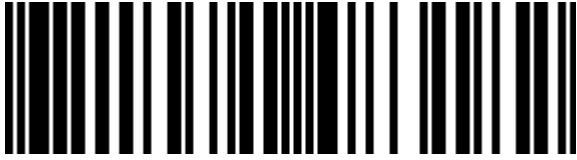
ATX, Intel Z690 chipset, Socket LGA 1700, 4xDDR5 DIMM slots, 7.1 ch audio, 10-Gigabit LAN, Wi-Fi 6E, Bluetooth 5.2, AMI UEFI BIOS

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,	HDMI ports quantity *	1
	Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel Pentium G	HDMI version	2.1
Memory		Headphone outputs	5
Supported memory types *	DDR5-SDRAM	Microphone in	✓
Number of memory slots *	4	S/PDIF out port	✓
Memory slots type	DIMM	Thunderbolt ports quantity	2
Memory channels	Dual-channel	WiFi-AP antenna jack	1
Non-ECC	✓	USB connector type	USB Type-A, USB Type-C
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz	Network	
Maximum internal memory *	128 GB	Ethernet LAN	✓
Unbuffered memory	✓	Ethernet interface type	10 Gigabit Ethernet
Storage controllers		Wake-on-LAN ready	✓
Supported storage drive types	HDD & SSD	Wi-Fi *	✓
Supported storage drive interfaces *	M.2, PCI Express 3.0, PCI Express 4.0, PCI Express 5.0, SATA III	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Number of storage drives supported	11	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)
RAID support	✓	Bluetooth	✓
RAID levels	0, 1, 5, 10	Bluetooth version	5.2
Graphics		Features	
Parallel processing technology support *	Not supported	Motherboard chipset *	Intel Z690
Maximum resolution	3840 x 2160 pixels	Audio chip	Realtek ALC4082
Internal I/O		Audio output channels *	7.1 channels
USB 2.0 connectors *	2	Component for *	PC
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Motherboard form factor *	ATX
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Motherboard chipset family *	Intel
Number of SATA III connectors *	6	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Front panel audio connector	✓	Harmonized System (HS) code	84733020

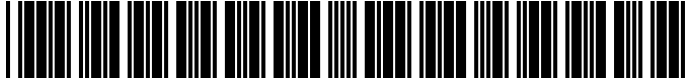
Internal I/O		Expansion slots	
ATX Power connector (24-pin)	✓	PCI Express x16 (Gen 4.x) slots	1
CPU fan connector	✓	PCI Express x16 (Gen 5.x) slots	2
Number of chassis fan connectors	4	Number of M.2 (M) slots	3
EPS power connector (8-pin)	✓	BIOS	
TPM connector	✓	BIOS type *	UEFI AMI
12V power connector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



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