ASUS ROG MAXIMUS Z790 FORMULA Intel Z790 LGA 1700 ATX

Brand: ASUS Product code: 90MB1FS0-M0EAY0

Product name: ROG MAXIMUS Z790 FORMULA

ROG MAXIMUS Z790 FORMULA Gaming Motherboard Socket Intel LGA1700 (ATX, DDR5, WiFi 7, 5x M.2, PCIe 5.0, Thunderbolt 4, Al Cooling II, Aura Sync)

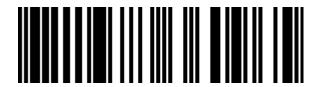
ASUS ROG MAXIMUS Z790 FORMULA. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9,.... Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: 5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), 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.... Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel





Intel® Core of A 1700 Intel® Core of 15, Intel® Core of 15, Intel® Core of 17, Intel® Cor					
Intel® Celeron®, Intel® Core™ 15, Intel® Core™ 17, Intel® Core™ 17, Intel® Core™ 19, Intel® Core™ 17, Intel® Core™ 19, Intel® Core™ 17, Intel® Core™ 19, Intel® Core™ 20, Intel®	Processor			Rear panel I/O ports	
Intel® Core® 15, Intel® Core® 16, Intel®	Processor manufacturer * Processor socket *				1
Intel® Core			Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold		
Gold Headphone outputs 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Compatible processor series *				
Line-in Component processor sockets CGA 1700					
Microphone in Microphone i	Supported processor sockets		LGA 1700	·	√
MIM SPUT OUT FORT Processing technology Proces	Memory Supported memory types *	DDR5-SDRAM		Microphone in	✓
Description of the protect of the	Number of memory slots * Memory slots type			S/PDIF out port	✓
Separate memory clock speeds will be speed at memory clock speed will be speed will	Memory channels Non-ECC			Thunderbolt ports quantity	2
Network Ethernet LAN Charage controllers Ethernet interface type S Gigabit Ethernet Upported storage drive types Upported storage drive interfaces * M.2, SATA III Upported storage drive supported Upported storage drive supported Upported storage drives suppo	Supported memory clock speeds	4800,5000,5200,5400,5600	,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,8000	WiFi-AP antenna jack	2
torage controllers Ethernet LAN Ethernet interface type S Gigabit Ethernet Upported storage drive types Upported storage drive interfaces* M.2, SATA III Umber of HDDs supported 4 Umber of storage drives supported 4 Umber of storage drives supported AlD levels O, 1, 5, 10 Bluetooth Alar levels Top Wi-Fi standards Wi-Fi 7 (802.11be) 802.11a, 802.11b, 802.11b, 802.11b, 802.11b, 802.11a, Wi-Fi 6 (802.11ax), Wi-Fi 7 (802.11be) AlD levels O, 1, 5, 10 Bluetooth Features Motherboard chipset * Intel Z790 Audio chip Realtek ALC4082 SB 2.0 connectors * 2 Audio output channels * 7.1 channels SB 3.2 Gen 1 (3.1 Gen 1) SB 3.2 Gen 2 (3.1 Gen 2) Onnectors * Which is thereface type S Gigabit Ethernet Wi-Fi 7 (802.11be) Wi-Fi 7 (802.1be) Wi-Fi 7 (802.11be) Wi-Fi 7 (802.11be) Wi-Fi 7 (802.11be)	Supported memory clock speed (max)			Network	
upported storage drive types HDD & SSD Wi-Fi * Very provided storage drive interfaces * M.2, SATA III Top Wi-Fi standard Wi-Fi 7 (802.11be) B02.11a, 802.11b, 802.11b, 802.11b, Wi-Fi 5 (802.11ax), Wi-Fi 5 (802.11ax), Wi-Fi 5 (802.11ax), Wi-Fi 6 (802.11ax), Wi-Fi 6 (802.11ax), Wi-Fi 6 (802.11ax), Wi-Fi 6 (802.11ax), Wi-Fi 7 (802.11be) AID support Very provided Not supported Not supported Not supported Not support Not supported Not support Not support Not supported Not support Not s	Unbuffered memory			Ethernet LAN	✓
upported storage drive types MDB days MD	Storage controllers			Ethernet interface type	5 Gigabit Ethernet
umber of HDDs supported 4 umber of storage drives supported 9 Wi-Fi standards Wi-Fi standards 802.11a, 802.11b, 802.11g, Wi-Fi (802.11ax), Wi-Fi 5 (802.11ax), Wi-Fi 6 (802.11ax), Wi-Fi 7 (802.11ax), Wi-Fi 8 (802.11ax), Wi-Fi 9 (802.11ax), Wi-Fi	Supported storage drive types		HDD & SSD	Wi-Fi *	✓
umber of storage drives supported 9 AID support	Supported storage drive interfaces *		M.2, SATA III	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Bluetooth version 5.4 Features Motherboard chipset * Intel Z790 Audio chip Realtek ALC4082 SB 2.0 connectors * 2 SB 3.2 Gen 1 (3.1 Gen 1) Connectors * 2 Motherboard form factor * ATX SB 3.2 Gen 2 (3.1 Gen 2) Connectors * 4 Windows operating systems supported Bluetooth version 5.4 Features Motherboard chipset * Intel Z790 Realtek ALC4082 7.1 channels PC Motherboard form factor * ATX Motherboard chipset family * Intel Power source type ATX Windows operating systems supported Windows 10, Windows 11	Number of HDDs supported Number of storage drives supported RAID support			Wi-Fi standards	(802.11n), Wi-Fi 5 (802.11ac), Wi-F 6 (802.11ax), Wi-Fi 6E (802.11ax),
Features arallel processing technology upport * Not supported Motherboard chipset * Intel Z790 Audio chip Realtek ALC4082 SB 2.0 connectors * 2 SB 3.2 Gen 1 (3.1 Gen 1) connectors * 2 Motherboard form factor * PC Motherboard form factor * ATX SB 3.2 Gen 2 (3.1 Gen 2) connectors * 4 Windows operating systems supported Windows 10, Windows 11	RAID levels		0, 1, 5, 10	Bluetooth	✓
Not support * Not supported Motherboard chipset * Intel Z790 Audio chip Realtek ALC4082 SB 2.0 connectors * 2 Audio output channels * 7.1 channels SB 3.2 Gen 1 (3.1 Gen 1) 2 Component for * PC onnectors * ATX SB 3.2 Gen 2 (3.1 Gen 2) 1 Motherboard chipset family * Intel onnectors * United Department of SATA III connectors * ATX Windows operating systems or ont panel audio connector Not supported Motherboard chipset * Intel Power source type ATX Windows 10, Windows 11	Graphics			Bluetooth version	5.4
Audio chip Realtek ALC4082 SB 2.0 connectors * 2 Audio output channels * 7.1 channels SB 3.2 Gen 1 (3.1 Gen 1) 2 Motherboard form factor * PC onnectors * Motherboard chipset family * Intel onnectors * Intel Audio chip Realtek ALC4082 Audio output channels * 7.1 channels PC Motherboard form factor * ATX Motherboard chipset family * Intel Power source type ATX Windows operating systems ront panel audio connector Windows 10, Windows 11	Parallel processing technology		Not supported		
Audio output channels * 7.1 channels SB 3.2 Gen 1 (3.1 Gen 1) Component for * PC Motherboard form factor * ATX SB 3.2 Gen 2 (3.1 Gen 2) Component for * PC Motherboard chipset family * Intel Power source type ATX Windows operating systems ront panel audio connector Windows 10, Windows 11				•	
SB 3.2 Gen 1 (3.1 Gen 1) 2	Internal I/O			'	
Motherboard form factor * ATX SB 3.2 Gen 2 (3.1 Gen 2) onnectors * 1 Motherboard chipset family * ponnectors * Windows operating systems ront panel audio connector Windows 10, Windows 11	USB 2.0 connectors *		2	•	
SB 3.2 Gen 2 (3.1 Gen 2) 1 Motherboard chipset family * Intel Power source type ATX umber of SATA III connectors * 4 Windows operating systems ront panel audio connector Windows 10, Windows 11	USB 3.2 Gen 1 (3.1 Gen 1)		2	'	
onnectors * Power source type ATX umber of SATA III connectors * 4 Windows operating systems supported Windows 10, Windows 11					
umber of SATA III connectors * 4 Windows operating systems supported Windows 10, Windows 11	connectors *		1	•	
ront panel audio connector ✓ supported supported windows 10, Windows 11	Number of SATA III connectors *		4	**	
TX Power connector (24-pin) ✓	Front panel audio connector		✓	, , ,	Windows 10, Windows 11
	ATX Power connector (24-pin)		✓		

nternal I/O		Expansion slots	
CPU fan connector Number of chassis fan connectors EPS power connector (8-pin)	4	PCI Express x4 (Gen 4.x) slots PCI Express x16 (Gen 5.x) slots Number of M.2 (M) slots	1 2 5
12V power connector		BIOS	
RGB LED pin header Rear panel I/O ports USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4 5	BIOS type * BIOS memory size Clear CMOS button	UEFI AMI 256 Mbit ✓
		Packaging data	
		Package width Package depth Package height Package weight	280 mm 265 mm 71 mm 4.35 kg
		Weight & dimensions	
		Width Depth	305 mm 244 mm
		Packaging content	
		Cables included Drivers included	SATA √
		Other features	
		Back-to-BIOS button	✓



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