GIGABYTE

Gigabyte Z790 AORUS XTREME X motherboard Intel Z790 LGA **1700 Extended ATX**

Brand : Gigabyte

Product code: Z790 AORUS XTREME X

Product name : Z790 AORUS XTREME X

- Supports Intel® Core™ 13th and next-gen processors

- Digital twin 24+1+2 phases VRM solution
- Dual Channel DDR5[]4*DIMMs with XMP 3.0 memory module support
- PCIe UD Slot X[] PCIe 5.0 x16 slot with 10X strength for graphics card
- EZ-Latch Click M.2 heatsinks with screwless design
- EZ-Latch Plus[]PCIe 5.0 x16 slot & M.2 slots with quick release design
- UC BIOS User-Centred intuitive UX with Quick Access function
- Ultra-Fast Storage 5*M.2 slots, including 1* PCIe 5.0 x4
- Efficient Overall Thermal OVRM Thermal Armor Fins-Array & M.2 Thermal Guard XTREME
- Fast Networking[]10GbE + 2.5GbE LAN & Wi-Fi 7 with Ultra-high gain antenna
- Extended Connectivity[]Dual Thunderbolt 4[™], Dual Front USB-C® 20Gb/s
- DTS:X® Ultra Audio[]ESS ES9280A DAC and ESS ES9080A with Front ESSential USB DAC Bundled Intel Z790, 4 x DDR5, 8266 MHz, Wi-Fi 7, 2 x RJ-45, 4 x SATA, E-ATX





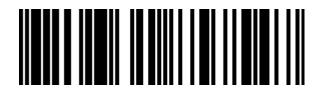
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Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A	10
Processor socket *	LGA 1700 Intel® Celeron®, Intel® Core [™] i3,	ports quantity * USB 3.2 Gen 2x2 Type-C ports quantity	1
Compatible processor series *	Intel® Core [™] i5, Intel® Core [™] i7, Intel® Core [™] i9, Intel® Pentium® Gold	Ethernet LAN (RJ-45) ports *	2
Supported processor sockets	LGA 1700	HDMI ports quantity * HDMI version	2.0
Memory		DisplayPorts quantity	1
Supported memory types * Number of memory slots * Memory slots type Memory channels ECC	DDR5-SDRAM 4 DIMM Dual-channel	DisplayPort version Headphone outputs Microphone in S/PDIF out port Thunderbolt ports quantity	1.2 2 4 2
Non-ECC	1	Network	
Supported memory clock speeds	8000, 7950, 7900, 7800, 7600, 7400, 7200, 7000, 6800, 6600, 6400, 6200, 6000, 5800, 5600, 5400, 5200, 4800, 4000 MHz	Ethernet LAN Ethernet interface type Wi-Fi *	✓ 2.5 Gigabit Ethernet ✓
Supported memory clock speed (max)	8266 MHz	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Maximum internal memory * Unbuffered memory	192 GB	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 7 (802.11be)
Storage controllers		Bluetooth Bluetooth version	✓ 5.3
Supported storage drive types	HDD & SSD		5.5
Supported storage drive interfaces '	•	Features	latel 7700
Number of storage drives supported		Motherboard chipset * Audio output channels *	Intel Z790 7.1 channels
RAID support RAID levels	✓ 0, 1, 5, 10	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Graphics		Component for *	PC
Parallel processing technology support * Maximum resolution	Crossfire 4096 x 2304 pixels	Motherboard form factor * Motherboard chipset family * Windows operating systems	Extended ATX Intel
HDCP	1	supported	Windows 10 x64, Windows 11 x64

Internal I/O

USB 2.0 connectors *	1	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	2	
Number of SATA III connectors *	4	
Front panel audio connector	-	
Front panel connector	-	
ATX Power connector (24-pin)	-	
CPU fan connector		
EPS power connector (8-pin)	-	
TPM connector	- 1	
Thunderbolt headers	2	
12V power connector	- 🗸	
RGB LED pin header	- 🗸	

Expansion slots		
PCI Express x16 slots	3	
Number of M.2 (M) slots	5	
BIOS		
BIOS type *	UEFI AMI	
BIOS memory size	256 Mbit	
ACPI version	5.0	
Clear CMOS jumper	4	
Clear CMOS button	4	
Desktop Management Interface (DMI) version	2.7	
System Management BIOS (SMBIOS) version	2.7	
Weight & dimensions		
Width	305 mm	
Depth	285 mm	
Packaging content		
Cables included	SATA	
Bundled software	Norton Internet Security	



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