GIGABYTE

Gigabyte Z590 AORUS TACHYON motherboard Intel Z590 LGA 1200 Extended ATX

Brand : Gigabyte

Product code: Z590 AORUS TACHYON

Product name : Z590 AORUS TACHYON

- Supports 11th and 10th Gen Intel® Core[™] Series Processors

- Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs

- 12+1 Phases Digital VRM Solution with 100A DrMOS and Tantalum Polymer Capacitors Matrix
- XTREME MEMORY with 2-DIMM Design and Shielded Memory Routing
- Exclusive onboard Overclocking Kit for extreme overclocking
- Onboard Intel® WiFi 6E 802.11ax 2T2R & BT 5 with AORUS Antenna
- Amp-Up Audio with ALC1220 and WIMA Audio Capacitors
- Blazing Fast Intel® 2.5GbE LAN with cFosSpeed
- Triple Ultra-Fast NVMe PCIe 4.0/3.0 x4 M.2 with Thermal Guards
- SuperSpeed USB 3.2 Gen2x2 TYPE-C® delivers up to 20Gb/s transfer speeds

E-ATX, Intel Z590 Express chipset, Socket LGA 1200, 2xDDR4 DIMM slots, 7.1ch audio, 2.5-Gigabit LAN, Wi-Fi 6E, Bluetooth, AMI UEFI BIOS, DualBIOS





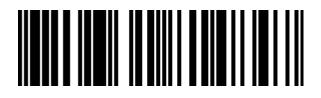
Processor

Processor		Rear panel I/O ports	
Processor manufacturer * Processor socket *	Intel LGA 1200	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7,	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Supported processor sockets	Intel® Core™ i9, Intel® Pentium® LGA 1200 (Socket H5)	Ethernet LAN (RJ-45) ports * PS/2 ports quantity	1 2
Memory		HDMI ports quantity *	1
Supported memory types * Number of memory slots * Memory slots type Memory channels ECC	DDR4-SDRAM 2 DIMM Dual-channel	HDMI version Headphone outputs S/PDIF out port WiFi-AP antenna jack USB connector type	2.0 5 ✓ 2 USB Type-A, USB Type-C
Non-ECC	1	Network	
Supported memory clock speeds	2133,2400,2666,2933,3000,3200 MHz	Ethernet LAN Ethernet interface type	✓ 2.5 Gigabit Ethernet
Maximum internal memory * Unbuffered memory	64 GB ✓	Wi-Fi * Top Wi-Fi standard	✔ Wi-Fi 6 (802.11ax)
Storage controllers Supported storage drive types	HDD & SSD	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi
Supported storage drive interfaces * Number of storage drives supported RAID levels	M.2, SATA III	WLAN controller model Bluetooth Bluetooth version	6E (802.11ax) Intel Wi-Fi 6E AX210 ✓ 5.2
Graphics		Features	
Parallel processing technology support * Maximum resolution HDCP	2-Way CrossFireX, Quad-GPU CrossFireX 4096 x 2160 pixels ✔	Motherboard chipset * Audio chip Audio output channels * PC health monitoring	Intel Z590 Realtek ALC1220-VB 7.1 channels Fan, Temperature, Voltage
Internal I/O		Component for *	PC
USB 2.0 connectors * USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2 1	Motherboard form factor * Motherboard chipset family * Windows operating systems supported	Extended ATX Intel Windows 10 x64

Internal I/O		Expansion slots	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	2	PCI Express x16 slots Number of M.2 (M) slots	4 3
Number of SATA III connectors * 8	8	BIOS	
Front panel connector ATX Power connector (24-pin) CPU fan connector Number of chassis fan connectors EPS power connector (8-pin) Thunderbolt headers 12V power connector RGB LED pin header	4	BIOS type * BIOS memory size ACPI version Clear CMOS jumper Clear CMOS button Desktop Management Interface (DMI) version System Management BIOS	UEFI AMI 512 Mbit 5.0 2.7 2.7
Rear panel I/O ports	v	(SMBIOS) version Weight & dimensions	2.7
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Width Depth	305 mm 270 mm
		Packaging content	

Bundled software

Norton Internet Security, cFosSpeed



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