

Gigabyte Z590 VISION D motherboard Intel Z590 LGA 1200 ATX

Brand : Gigabyte

Product code: Z590 VISION D

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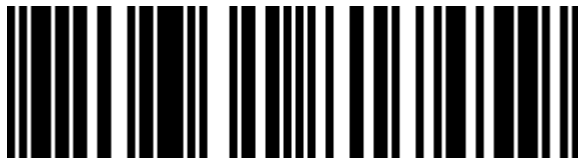
- Powerful performance support 11th and 10th Gen Intel® Core™ Series Processors
- Dual Channel Non-ECC Unbuffered DDR4 memory, 4 DIMMs
- Go further without more cables by VisionLINK TB I/O design
- The limitless connectivity by Thunderbolt™ 4
- High-bandwidth and low-latency network support by dual Intel® 2.5GbE LAN
- Intel® Wi-Fi 6 2x2 802.11ax with all new antenna support for better signal
- SuperSpeed USB 3.2 Gen2x2 Type-C® Header
- Triple Ultra-Fast NVMe PCIe x4 M.2 connectors with unique thermal guards
- Comprehensive cooling solution design for the better thermal dissipation
- Smart Fan 6 features hybrid fan headers and numerous temperature sensors for fan mode configuration

ATX, Intel Z590 Express chipset, Socket LGA1200, 4xDDR4 DIMM slots, 7.1ch audio, 2.5-Gigabit LAN, Wi-Fi, Bluetooth



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor socket *	LGA 1200	Ethernet LAN (RJ-45) ports *	2
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®	HDMI ports quantity *	1
		DisplayPorts quantity	1
Supported processor sockets	LGA 1200 (Socket H5)	Headphone outputs	5
Memory		Microphone in	✓
Supported memory types *	DDR4-SDRAM	S/PDIF out port	✓
Number of memory slots *	4	Thunderbolt ports quantity	2
Memory slots type	DIMM	WiFi-AP antenna jack	2
Memory channels	Dual-channel	USB connector type	USB Type-A, USB Type-C
ECC	✓	Network	
Non-ECC	✓	Ethernet LAN	✓
Supported memory clock speeds	2133,2400,2666,2933,3000,3200 MHz	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory *	128 GB	Wi-Fi *	✓
Unbuffered memory	✓	Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Storage controllers		Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Supported storage drive types	HDD & SSD	WLAN controller model	Intel Wi-Fi 6 AX200
Supported storage drive interfaces *	M.2, SATA III	Bluetooth	✓
Number of storage drives supported	9	Bluetooth version	5.1
RAID levels	0, 1, 5, 10	Features	
Graphics		Motherboard chipset *	Intel Z590
Parallel processing technology support *	2-Way CrossFireX, Quad-GPU CrossFireX	Audio chip	Realtek ALC4080
Maximum resolution	5120 x 2880 pixels	Audio output channels *	7.1 channels
HDCP	✓	PC health monitoring	Fan, Temperature, Voltage
Internal I/O		Component for *	PC
USB 2.0 connectors *	2	Motherboard form factor *	ATX
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Motherboard chipset family *	Intel
		Windows operating systems supported	Windows 10 x64
		Harmonized System (HS) code	84733020

Internal I/O		Expansion slots	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	PCI Express x1 slots	1
Number of SATA III connectors *	6	PCI Express x16 slots	3
Front panel audio connector	✓	Number of M.2 (M) slots	3
Front panel connector	✓	BIOS	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
Power fan connector	✓	BIOS memory size	256 Mbit
CPU fan connector	✓	ACPI version	5.0
Peripheral (Molex) power connectors (4-pin)	1	Clear CMOS jumper	✓
EPS power connector (8-pin)	✓	Desktop Management Interface (DMI) version	2.7
TPM connector	✓	System Management BIOS (SMBIOS) version	2.7
12V power connector	✓	Weight & dimensions	
RGB LED pin header	✓	Width	305 mm
Rear panel I/O ports		Depth	244 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Packaging content	
		Drivers included	✓
		Bundled software	Norton Internet Security, cFosSpeed



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