

GIGABYTE Z790 D Motherboard - Supports Intel Core 14th Gen CPUs, 12+1+1 Phases Digital VRM, up to 7600MHz DDR5 (OC), 3xPCIe 4.0 M.2, 2.5GbE LAN, USB 3.2 Gen 2

Brand : GIGABYTE

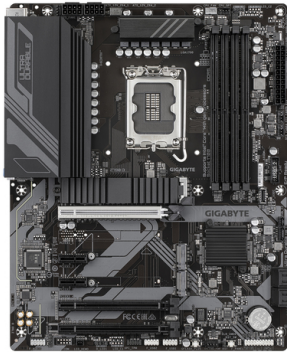
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	HDMI version	2.1
Processor socket *	LGA 1700	DisplayPorts quantity	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	DisplayPort version	1.2
		Headphone outputs	1
Maximum number of SMP processors	1	Microphone in	✓
Supported processor sockets	LGA 1700	S/PDIF out port	✓
Maximum internal memory supported by processor	192 GB	WiFi-AP antenna jack	2
Memory		USB connector type	USB Type-A, USB Type-C
Supported memory types *	DDR5-SDRAM	Network	
Number of memory slots *	4	Ethernet LAN	✓
Memory slots type	DIMM	Ethernet interface type	2.5 Gigabit Ethernet
Memory channels	Dual-channel	Wi-Fi *	✗
ECC compatibility	ECC & Non-ECC	Features	
Supported memory clock speeds	4400, 4800, 5200, 5400, 5600, 5800, 6000, 6200, 6400, 6600, 6800, 7000, 7200, 7400, 7600 MHz	Motherboard chipset *	Intel Z790 Express
Supported memory clock speed (max)	7600 MHz	Audio chip	Realtek ALC897
Maximum internal memory *	192 GB	Audio output channels *	7.1 channels
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB	Product colour	Brown
Unbuffered memory	✓	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Storage controllers		Component for *	PC
Supported storage drive types	HDD & SSD	Motherboard form factor *	ATX
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Motherboard chipset family *	Intel
Number of HDDs supported	4	Power source type	ATX
Number of storage drives supported	7	Windows operating systems supported	Windows 10 x64, Windows 11 x64
RAID support	✓	Expansion slots	
RAID levels	0, 1, 5, 10	PCI Express x1 (Gen 3.x) slots	2
Graphics		PCI Express x16 (Gen 3.x) slots	1
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 4.x) slots	1
Maximum resolution	4096 x 2304 pixels		

Graphics		Expansion slots	
HDCP	✓	PCI Express x16 (Gen 5.x) slots	1
DirectX version	12.0	Number of M.2 (M) slots	3
Discrete graphics support	✓	BIOS	
Internal I/O		BIOS type *	UEFI AMI
USB 2.0 connectors *	2	BIOS memory size	256 Mbit
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	ACPI version	5.0
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Clear CMOS jumper	✓
Number of SATA III connectors *	4	Clear CMOS button	✓
Total number of SATA connectors	4	Desktop Management Interface (DMI) version	2.7
Front panel audio connector	✓	System Management BIOS (SMBIOS) version	2.7
Front panel connector	✓	Logistics data	
ATX Power connector (24-pin)	✓	Country of origin	China
Number of EATX power connectors	2	Products per shipping (inner) case	1 pc(s)
CPU fan connector	✓	Battery	
EPS power connector (8-pin)	✓	Battery weight	3 g
TPM connector	✓	Lithium weight per battery	0.07 g
Thunderbolt headers	2	Number of battery cells	1
12V power connector	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
RGB LED pin header	✓	Battery type	CR2032
Rear panel I/O ports		Packaging data	
USB 2.0 ports quantity *	2	Package width	335 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Package depth	270 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Package height	80 mm
USB 3.2 Gen 2x2 Type-C ports quantity	1	Package weight	1.8 kg
Ethernet LAN (RJ-45) ports *	1	Weight & dimensions	
HDMI ports quantity *	1	Width	305 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Cables included	SATA
		Batteries included	✓
		Antenna included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Technical details	
		Warranty period	3 year(s)



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