

## GIGABYTE Z790 D DDR4 Motherboard - Supports Intel Core 14th Gen CPUs, 16\*+1+□ Phases Digital VRM, up to 5333MHz DDR4 (OC), 3xPCIe 4.0 M.2, 2.5GbE LAN, USB 3.2 Gen 2

Brand : GIGABYTE

Product code: Z790 D DDR4

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ATX, LGA 1700 socket, Intel Z790 Express chipset, 4x DDR4 DIMM, AMI UEFI BIOS

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Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Processor socket *	LGA 1700	USB 3.2 Gen 2x2 Type-C ports quantity	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	Ethernet LAN (RJ-45) ports *	1
Supported processor sockets	LGA 1700	PS/2 ports quantity	1
Maximum internal memory supported by processor	128 GB	HDMI ports quantity *	1
		HDMI version	2.0
		Headphone outputs	3
		Microphone in	✓
		USB connector type	USB Type-A, USB Type-C
		Network	
		Ethernet LAN	✓
		Ethernet interface type	2.5 Gigabit Ethernet
		Wi-Fi *	✗
		Features	
		Motherboard chipset *	Intel Z790 Express
		Audio output channels *	7.1 channels
		Product colour	Brown
		PC health monitoring	Fan, Temperature, Voltage, Water cooling
		Component for *	PC
		Motherboard form factor *	ATX
		Motherboard chipset family *	Intel
		Windows operating systems supported	Windows 10 x64, Windows 11 x64
		Expansion slots	
		PCI Express x1 slots	2
		PCI Express x16 slots	3
		Number of M.2 (M) slots	3
		BIOS	
		BIOS type *	UEFI AMI
Memory			
Supported memory types *	DDR4-SDRAM		
Number of memory slots *	4		
Memory slots type	DIMM		
Memory channels	Dual-channel		
ECC compatibility	ECC & Non-ECC		
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3300,3333,3400,3466,3600,3666,3733,3800,3866,4000,4133,4266,4300,4400,4500,4600,4700,4800,4933,5000,5133,5333 MHz		
Supported memory clock speed (max)	5333 MHz		
Maximum internal memory *	128 GB		
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB		
Unbuffered memory	✓		
Storage controllers			
Supported storage drive types	HDD & SSD		
Supported storage drive interfaces *	M.2, SATA III		
Number of HDDs supported	6		
Number of storage drives supported	9		
RAID support	✓		
RAID levels	0, 1, 5, 10		
Graphics			
Parallel processing technology support *	Crossfire		
Maximum resolution	4096 x 2304 pixels		
HDCP	✓		
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		

<b>Internal I/O</b>		<b>BIOS</b>	
Number of SATA III connectors *	6	BIOS memory size	256 Mbit
Total number of SATA connectors	6	ACPI version	5.0
S/DPDIF out connector	✓	Clear CMOS jumper	✓
Front panel audio connector	✓	Desktop Management Interface (DMI) version	2.7
Front panel connector	✓	System Management BIOS (SMBIOS) version	2.7
ATX Power connector (24-pin)	✓	<b>Logistics data</b>	
CPU fan connector	✓	Country of origin	China
EPS power connector (8-pin)	✓	Products per shipping (inner) case	1 pc(s)
TPM connector	✓	<b>Battery</b>	
Serial port headers	1	Battery weight	3 g
Thunderbolt headers	2	Lithium weight per battery	0.07 g
12V power connector	✓	Number of battery cells	1
RGB LED pin header	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
<b>Rear panel I/O ports</b>		Battery type	CR2032
USB 2.0 ports quantity *	2	<b>Packaging data</b>	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Package width	335 mm
		Package depth	270 mm
		Package height	80 mm
		Package weight	1.97 kg
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Batteries included	✓
		Bundled software	Norton Internet Security
		<b>Technical details</b>	
		Warranty period	3 year(s)



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