

# GIGABYTE Z790 S DDR4 Motherboard - Supports Intel Core 14th CPUs, 8+1+1 Phases Digital VRM, up to 5333MHz DDR4, 3xPCIe 4.0 M.2, 2.5GbE LAN , USB 3.2 Gen 2

**Brand :** GIGABYTE

**Product code:** Z790 S DDR4

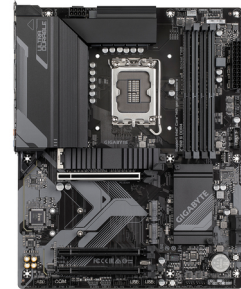
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ATX, LGA 1700 socket, Intel Z790 Express chipset, 4x DDR4 DIMM, AMI UEFI BIOS

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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 technology.



<b>Processor</b>		<b>Rear panel I/O ports</b>	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Processor socket *	LGA 1700	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	PS/2 ports quantity	1
Supported processor sockets	LGA 1700	HDMI ports quantity *	1
Maximum internal memory supported by processor	128 GB	HDMI version	2.0
		Headphone outputs	6
		Microphone in	✓
		USB connector type	USB Type-A, USB Type-C
<b>Memory</b>		<b>Network</b>	
Supported memory types *	DDR4-SDRAM	Ethernet LAN	✓
Number of memory slots *	4	Ethernet interface type	2.5 Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✗
Memory channels	Dual-channel		
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		
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	✓		
<b>Storage controllers</b>		<b>Features</b>	
Supported storage drive types	HDD & SSD	Motherboard chipset *	Intel Z790 Express
Supported storage drive interfaces *	M.2, SATA III	Audio output channels *	7.1 channels
Number of HDDs supported	4	Product colour	Brown
Number of storage drives supported	7	PC health monitoring	Fan, Temperature, Voltage, Water cooling
RAID support	✓	Component for *	PC
RAID levels	0, 1, 5, 10	Motherboard form factor *	ATX
		Motherboard chipset family *	Intel
<b>Graphics</b>		Windows operating systems supported	Windows 10 x64, Windows 11 x64
Maximum resolution	4096 x 2304 pixels		
HDCP	✓		
DirectX version	12.0		
<b>Internal I/O</b>		<b>Expansion slots</b>	
USB 2.0 connectors *	2	PCI Express x1 slots	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 slots	3
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Number of M.2 (M) slots	3
Number of SATA III connectors *	4		
		<b>BIOS</b>	
		BIOS type *	UEFI AMI
		BIOS memory size	256 Mbit
		ACPI version	5.0

Internal I/O		BIOS	
Total number of SATA connectors	4	Clear CMOS jumper	✓
S/DPDIF out connector	✓	Desktop Management Interface (DMI) version	2.7
Front panel audio connector	✓	System Management BIOS (SMBIOS) version	2.7
Front panel connector	✓	<b>Logistics data</b>	
ATX Power connector (24-pin)	✓	Country of origin	China
CPU fan connector	✓	Products per shipping (inner) case	1 pc(s)
EPS power connector (8-pin)	✓	<b>Battery</b>	
TPM connector	✓	Battery weight	3 g
Serial port headers	1	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
<b>Rear panel I/O ports</b>		<b>Packaging data</b>	
USB 2.0 ports quantity *	5	Package width	335 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package depth	270 mm
		Package height	80 mm
		Package weight	1.79 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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