

ASUS PROART Z790-CREATOR WIFI Intel Z790 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1DV0-M0EAY0

Product name : PROART Z790-CREATOR WIFI

ProArt Z790-CREATOR WIFI Content Creator Mainboard Socket Intel LGA 1700 (Intel Z790, PCIe 5.0, DDR5, Thunderbolt 4, WiFi6E, Quick Charge 4+)

ASUS PROART Z790-CREATOR WIFI. Processor manufacturer: AMD, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9,.... Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: 2.5 Gigabit Ethernet, 10 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 6E (802.11ax), Wi-Fi standards: 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E.... Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6
Processor socket *	LGA 1700	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® Gold	HDMI ports quantity *	1
Maximum number of SMP processors	1	HDMI version	2.1
Supported processor sockets	LGA 1700	DisplayPorts quantity	2
Memory		DisplayPort version	1.4
Supported memory types *	DDR5-SDRAM	Headphone outputs	1
Number of memory slots *	4	Line-in	✓
Memory slots type	DIMM	Microphone in	✓
Memory channels	Dual-channel	Thunderbolt ports quantity	2
ECC compatibility	Non-ECC	WiFi-AP antenna jack	2
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200 MHz	Network	
Supported memory clock speed (max)	7200 MHz	Ethernet LAN	✓
Maximum internal memory *	128 GB	Ethernet interface type	2.5 Gigabit Ethernet, 10 Gigabit Ethernet
Unbuffered memory	✓	Wi-Fi *	✓
Storage controllers		Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
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 6 (802.11ax), Wi-Fi 6E (802.11ax)
Supported storage drive interfaces *	M.2, SATA III	Bluetooth	✓
RAID support	✓	Bluetooth version	5.3
RAID levels	0, 1, 5, 10	Features	
Graphics		Motherboard chipset *	Intel Z790
Parallel processing technology support *	Not supported	Audio chip	Realtek S1220A
On-board graphics card	✗	Audio output channels *	7.1 channels
Internal I/O		Product colour	Black
USB 2.0 connectors *	2		

Internal I/O		Features	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Component for *	PC
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Motherboard form factor *	ATX
Number of SATA III connectors *	8	Motherboard chipset family *	Intel
Front panel audio connector	✓	Cooling type	Passive
ATX Power connector (24-pin)	✓	Power source type	ATX
CPU fan connector	✓	Windows operating systems supported	Windows 10, Windows 11
Number of chassis fan connectors	5	Expansion slots	
Peripheral (Molex) power connectors (4-pin)	1	PCI Express x16 (Gen 4.x) slots	1
EPS power connector (8-pin)	✓	PCI Express x16 (Gen 5.x) slots	2
Number of COM connectors	1	Number of M.2 (M) slots	4
TPM connector	✓	BIOS	
12V power connector	✓	BIOS memory size	256 Mbit
RGB LED pin header	✓	Packaging data	
		Package width	331 mm
		Package depth	266 mm
		Package height	76 mm
		Package weight	2.43 kg
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Other features	
		Back-to-BIOS button	✓
		Number of M.2 (E) slots	1



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