

ASUS PROART B850-CREATOR WIFI NEO AMD B850 Socket AM5 ATX

Brand : ASUS

Product code: 90MB1P60-M0EAY0

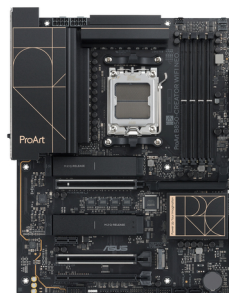
Product name : PROART B850-CREATOR WIFI NEO

ProArt B850-CREATOR WIFI NEO AMD B850 ATX motherboard (14+2+1 Power Stages, DDR5 with AEMP, WiFi 7, Dual Realtek 5Gb Ethernet, 3x M.2 slots, PCIe 5.0 x16 SafeSlots, PCIe Slot Q-Release)

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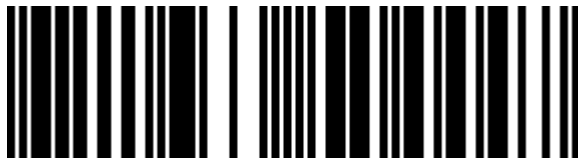
The ProArt B850-Creator WiFi Neo is designed to empower creators at every level, delivering optimized performance for the latest AMD Ryzen™ 9000, 8000, and 7000 Series processors, as well as AMD EPYC™ 4005 Series CPUs. Featuring a robust 14+2+1 power stage design, DDR5 support, PCIe® 5.0 expansion, and ultrafast connectivity—including dual 5G Ethernet and WiFi 7—it provides a reliable foundation for demanding creative workloads.

With a refined aesthetic that reflects a professional and elegant design philosophy, the motherboard showcases layered black tones accented with metallic gold details. This platform seamlessly combines performance, connectivity, and design, delivering the power required for today's advanced AI PC applications.



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Ethernet LAN (RJ-45) ports *	2
Processor socket *	Socket AM5	HDMI ports quantity *	1
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	HDMI version	2.1
		DisplayPorts quantity	1
Supported processor sockets	Socket AM5	DisplayPort version	1.4
		Headphone outputs	1
Memory		Line-in	✓
Supported memory types *	DDR5-SDRAM	Microphone in	✓
Number of memory slots *	4	WiFi-AP antenna jack	2
Memory slots type	DIMM	Network	
Memory channels	Dual-channel	Ethernet LAN	✓
ECC compatibility	ECC & Non-ECC	Ethernet interface type	5 Gigabit Ethernet
Supported memory clock speed (max)	9000 MHz	Wi-Fi *	✓
Maximum internal memory *	256 GB	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Unbuffered memory	✓	Wi-Fi standards	Wi-Fi 7 (802.11be)
Maximum internal memory per slot	64 GB	WLAN controller model	Realtek RTL8922AE
Storage controllers		Bluetooth	✓
Supported storage drive types	HDD & SSD	Features	
Supported storage drive interfaces *	M.2, SATA III	Motherboard chipset *	AMD B850
Number of HDDs supported	4	Audio chip	Realtek ALC1220P
Number of storage drives supported	7	Audio output channels *	7.1 channels
RAID support	✓	Product colour	Black
RAID levels	0, 1, 5, 10	Component for *	PC
Graphics		Motherboard form factor *	ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	AMD
On-board graphics card	✗	Cooling type	Passive
		Power source type	ATX

Graphics		Features	
Maximum resolution	7680 x 4320 pixels	Windows operating systems supported	Windows 11
Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x4 (Gen 1.x) slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 (Gen 4.x) slots	2
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	PCI Express x16 (Gen 5.x) slots	2
Number of SATA III connectors *	4	Number of M.2 (M) slots	3
Front panel audio connector	✓	1st M.2 largest key size	2280
Front panel connector	✓	1st M.2 highest PCI Express generation	5.0
ATX Power connector (24-pin)	✓	2nd M.2 largest key size	2280
CPU fan connector	✓	2nd M.2 highest PCI Express generation	5.0
Number of CPU fan connectors	2	3rd M.2 largest key size	2280
Number of chassis fan connectors	4	3rd M.2 highest PCI Express generation	4.0
Chassis intrusion connector	✓	BIOS	
EPS power connector (8-pin)	✓	BIOS type *	UEFI AMI
Number of EPS power connectors (8-pin)	2	BIOS memory size	512 Mbit
Number of COM connectors	1	BIOS flashback button	✓
TPM connector	✓	Packaging data	
Thunderbolt headers	1	Package width	353 mm
Number of water pump connectors	1	Package depth	273 mm
Number of temperature sensor headers	1	Package height	68 mm
RGB LED pin header	✓	Package weight	2.14 kg
Number of RGB LED pin headers	3	Weight & dimensions	
Rear panel I/O ports		Width	305 mm
USB 2.0 ports quantity *	4	Depth	244 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Height	48 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2	Packaging content	
		Cables included	SATA
		Antenna included	✓
		Screws included	✓
		Other features	
		Weight	1.33 kg
		Quick installation guide	✓



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