

GIGABYTE B850 AORUS STEALTH ICE Motherboard - AMD Ryzen 9000 Series CPUs, 14+2+2 Phases Digital VRM, up to 8200MHz DDR5 (OC), 2xPCIe 5.0 + 2xPCIe 4.0 M.2, WIFI 7, 5 GbE LAN, USB 3.2 Gen 2

Brand : GIGABYTE

Product code: B850 A STEALTH ICE

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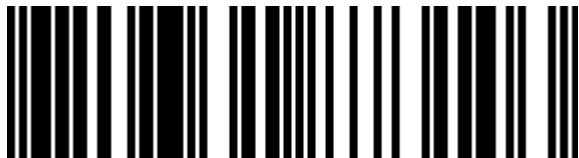
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content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



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Digital audio optical out	1
Processor socket *	Socket AM5	WiFi-AP antenna jack	2
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Network	
Supported processor sockets	Socket AM5	Ethernet LAN	✓
Memory		Ethernet interface type	5 Gigabit Ethernet
Supported memory types *	DDR5-SDRAM	LAN controller	Realtek RTL8126
Number of memory slots *	4	Wi-Fi *	✓
Memory slots type	DIMM	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Memory channels	Dual-channel	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), Wi-Fi 7 (802.11be)
ECC compatibility	Non-ECC		
Supported memory clock speeds	8200,8000,7950,7900,7800,7600,7400,7200,7000,6800,6600,6400,6200,6000,5800,5600,5200,4800,4400 MHz	WLAN controller model	Realtek RTL8922AE
Supported memory clock speed (max)	8200 MHz	Bluetooth	✓
Maximum internal memory *	256 GB	Bluetooth version	5.4
Unbuffered memory	✓	Features	
Maximum internal memory per slot	64 GB	Motherboard chipset *	AMD B850
Storage controllers		Audio chip	Realtek ALC897
Supported storage drive types	HDD & SSD	Audio output channels *	7.1 channels
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Product colour	White
Number of HDDs supported	2	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Number of storage drives supported	6	Component for *	PC
RAID support	✓	Motherboard form factor *	ATX
RAID levels	0, 1, 5, 10	Motherboard chipset family *	AMD
Graphics		Cooling type	Passive
Parallel processing technology support *	Not supported	Power source type	ATX
On-board graphics card	✗	Windows operating systems supported	Windows 11 x64
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	2		

Internal I/O		Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 (Gen 4.x) slots	1
USB 3.2 Gen 2x2 connectors	1	PCI Express x16 (Gen 5.x) slots	1
Number of SATA III connectors *	2	Number of M.2 (M) slots	4
Front panel audio connector	✓	1st M.2 largest key size	25110
Front panel connector	✓	1st M.2 highest PCI Express generation	5.0
ATX Power connector (24-pin)	✓	2nd M.2 largest key size	22110
CPU fan connector	✓	2nd M.2 highest PCI Express generation	5.0
Number of CPU fan connectors	2	3rd M.2 largest key size	22110
Number of chassis fan connectors	6	3rd M.2 highest PCI Express generation	4.0
Peripheral (Molex) power connectors (4-pin)	1	4th M.2 largest key size	22110
EPS power connector (8-pin)	✓	4th M.2 highest PCI Express generation	4.0
Number of EPS power connectors (8-pin)	1	BIOS	
TPM connector	✓	BIOS type *	UEFI AMI
12V power connector	✓	BIOS memory size	512 Mbit
Number of water pump connectors	3	ACPI version	5.0
Number of temperature sensor headers	2	Clear CMOS jumper	✓
Number of noise detection headers	1	Desktop Management Interface (DMI) version	2.7
RGB LED pin header	✓	System Management BIOS (SMBIOS) version	2.7
Number of RGB LED pin headers	4	Logistics data	
Rear panel I/O ports		Country of origin	China
USB 2.0 ports quantity *	4	Products per shipping (inner) case	1 pc(s)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Battery	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Battery weight	3 g
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Lithium weight per battery	0.07 g
Ethernet LAN (RJ-45) ports *	1	Number of battery cells	1
HDMI ports quantity *	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
HDMI version	2.1	Battery type	CR2032
Headphone outputs	1	Packaging data	
Line-in	✓	Package width	310 mm
S/PDIF out port	✓	Package depth	340 mm
		Package height	92 mm
		Package weight	4.14 kg
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
		Other features	
		Weight	3.63 kg
		Technical details	
		Warranty period	3 year(s)



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