

Gigabyte B650I AORUS ULTRA Motherboard - Supports AMD AM5 CPUs, 8+2+1 Digital VRM, up to 6400MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2

Brand : Gigabyte

Product code: B650I AORUS ULTRA

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AMD B650, 2 x DDR5, Wi-Fi 6E RZ616, 4 x SATA 6Gb/s, Mini-ITX

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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.

Gigabyte B650I AORUS ULTRA Motherboard - Supports AMD AM5 CPUs, 8+2+1 Digital VRM, up to 6400MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2. Processor manufacturer: AMD, Processor socket: Socket AM5. Compatible processor series: AMD Ryzen™ 7. Supported memory types: DDR5-SDRAM, Maximum internal memory: 96 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. Maximum resolution: 7680 x 4320 pixels. USB connector type: USB Type-A, USB Type-C



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Headphone outputs	1
Processor socket *	Socket AM5	Microphone in	✓
Compatible processor series *	AMD Ryzen™ 7	WiFi-AP antenna jack	2
Maximum number of SMP processors	1	USB connector type	USB Type-A, USB Type-C
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	2	Ethernet interface type	2.5 Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✓
Memory channels	Dual-channel	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Non-ECC	✓	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400 MHz	Bluetooth	✓
Supported memory clock speed (max)	6400 MHz	Bluetooth version	5.2
Maximum internal memory *	96 GB	Features	
Unbuffered memory	✓	Motherboard chipset *	AMD B650
Storage controllers		Audio chip	Realtek ALC4080
Supported storage drive types	HDD & SSD	Audio output channels *	7.1 channels
Supported storage drive interfaces *	M.2, SATA III	Product colour	Black
Number of HDDs supported	4	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Number of storage drives supported	7	Component for *	PC
RAID support	✓	Motherboard form factor *	mini ITX
RAID levels	0, 1, 5, 10	Motherboard chipset family *	AMD
Graphics		Windows operating systems supported	Windows 10 x64, Windows 11 x64
Parallel processing technology support *	Not supported	Expansion slots	
Maximum resolution	7680 x 4320 pixels	PCI Express x16 (Gen 4.x) slots	1
HDCP	✓	Number of M.2 (M) slots	3
DirectX version	12.0	BIOS	
Discrete graphics support	✓	BIOS type *	UEFI AMI

Internal I/O		BIOS	
USB 2.0 connectors *	1	BIOS memory size	256 Mbit
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	ACPI version	5.0
USB 3.2 Gen 2x2 connectors	1	Clear CMOS jumper	✓
Number of SATA III connectors *	4	Desktop Management Interface (DMI) version	2.7
Front panel audio connector	✓	System Management BIOS (SMBIOS) version	2.7
Front panel connector	✓	Logistics data	
ATX Power connector (24-pin)	✓	Country of origin	China
Number of EATX power connectors	1	Products per shipping (inner) case	1 pc(s)
CPU fan connector	✓	Battery	
12V power connector	✓	Battery weight	3 g
RGB LED pin header	✓	Lithium weight per battery	0.07 g
Rear panel I/O ports		Number of battery cells	1
USB 2.0 ports quantity *	2	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Battery type	CR2032
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Packaging data	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Package width	235 mm
Ethernet LAN (RJ-45) ports *	1	Package depth	227 mm
HDMI ports quantity *	1	Package height	95 mm
HDMI version	2.1	Package weight	1.41 kg
DisplayPorts quantity	1	Weight & dimensions	
DisplayPort version	1.4	Width	170 mm
		Depth	170 mm
		Height	35 mm
		Packaging content	
		Cables included	SATA
		Batteries included	✓
		Antenna included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Technical details	
		Warranty period	3 year(s)



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