

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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UNPARALLELED PERFORMANCE

With the fast-moving technology changes, GIGABYTE always follows the latest trends and provides customers with advanced features and latest technologies. GIGABYTE motherboards are equipped with upgraded power solution, latest storage standards and outstanding connectivity to enable optimized performance for gaming.

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		
Discrete graphics support	✓		

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