

## GIGABYTE B650 UD AX motherboard AMD B650 Socket AM5 ATX



**Brand :** GIGABYTE

**Product code:** B650 UD AX

**Product name :** B650 UD AX

- AMD Socket AM5 Supports AMD Ryzen™ 7000/ Ryzen™ 8000/ Ryzen™ 9000 Series Processors
- Unparalleled Performance 6+2+2 Phases Digital VRM Solution
- Dual Channel DDR5 4\*SMD DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
- SuperSpeed Storage 1\*PCIe 5.0 + 2\*PCIe 4.0 M.2 Connectors

AM5, B650, DDR5, HDMI, DP, Wi-Fi 6

GIGABYTE B650 UD AX. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen™ 5, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen. Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Maximum resolution: 4096 x 2160 pixels. USB connector type: USB Type-A, USB Type-C

Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	DisplayPort version	1.4
Processor socket *	Socket AM5	Headphone outputs	3
Compatible processor series *	AMD Ryzen™ 5, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen	Microphone in	✓
Supported processor sockets	Socket AM5	WiFi-AP antenna jack	2
Maximum internal memory supported by processor	192 GB	USB connector type	USB Type-A, USB Type-C
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	4	Ethernet interface type	Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✓
Memory channels	Dual-channel	Top Wi-Fi standard	Wi-Fi 6 (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	4800,5200,5600,6000,6200,6400,6600,6800,7000,7200,7600 MHz	WLAN controller model	Realtek RTL8821CE
Supported memory clock speed (max)	7600 MHz	Bluetooth	✓
Maximum internal memory *	192 GB	Bluetooth version	5.0
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB	Features	
Unbuffered memory	✓	Motherboard chipset *	AMD B650
Storage controllers		Audio chip	Realtek ALC897
Supported storage drive types	HDD & SSD	Audio output channels *	7.1 channels
Supported storage drive interfaces *	M.2, SATA III	Product colour	Brown
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 *	ATX
RAID levels	0, 1, 10	Motherboard chipset family *	AMD
Graphics		Cooling type	Active
Parallel processing technology support *	Not supported	Power source type	ATX
Maximum resolution	4096 x 2160 pixels	Windows operating systems supported	Windows 10 x64, Windows 11 x64
HDCP	✓	Expansion slots	
DirectX version	12.0	PCI Express x16 slots	3
Internal I/O		Number of M.2 (M) slots	3
USB 2.0 connectors *	3	BIOS	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	BIOS type *	UEFI AMI
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	BIOS memory size	256 Mbit
Number of SATA III connectors *	4	ACPI version	5.0
Total number of SATA connectors	4	Clear CMOS jumper	✓
Front panel audio connector	✓	Clear CMOS button	✓
Front panel connector	✓	Desktop Management Interface (DMI) version	2.7
ATX Power connector (24-pin)	✓		

<b>Internal I/O</b>		<b>BIOS</b>	
CPU fan connector	✓	System Management BIOS (SMBIOS) version	2.7
EPS power connector (8-pin)	✓	<b>Logistics data</b>	
TPM connector	✓	Country of origin	China
Serial port headers	1	Products per shipping (inner) case	1 pc(s)
12V power connector	✓	<b>Battery</b>	
RGB LED pin header	✓	Battery weight	3 g
<b>Rear panel I/O ports</b>		Lithium weight per battery	0.07 g
USB 2.0 ports quantity *	6	Number of battery cells	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Battery technology	Lithium-Manganese Dioxide (LiMnO <sub>2</sub> )
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Battery type	CR2032
Ethernet LAN (RJ-45) ports *	1	<b>Packaging data</b>	
HDMI ports quantity *	1	Package width	335 mm
HDMI version	2.1	Package depth	270 mm
DisplayPorts quantity	1	Package height	80 mm
		Package weight	1.56 kg
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Batteries included	✓
		Bundled software	Norton Internet Security (OEM version) LAN bandwidth management software
		<b>Technical details</b>	
		Warranty period	3 year(s)



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