

## Gigabyte B650M GAMING X AX (rev. 1.x) AMD B650 Socket AM5 micro ATX

**Brand :** Gigabyte

**Product code:** B650M GAMING X AX (REV. 1.x)

**Product name :** B650M GAMING X AX (rev. 1.x)

- AMD Socket AM5 Supports AMD Ryzen™ 7000 Series Processors
  - Unparalleled Performance Direct 6+2+1 Phases Digital VRM Solution
  - Dual Channel DDR5 4\*SMD DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
  - SuperSpeed Storage 2\*PCIe 4.0 x4 M.2 Connectors
  - Advanced Thermal Design & M.2 Thermal Guard To Ensure VRM Power Stability & 25110 M.2 SSD Performance
  - EZ-Latch PCIe x16 Slot & M.2 Connectors with Quick Release & Screwless Design
  - Fast Networks 2.5GbE LAN & Wi-Fi 6E 802.11ax
  - Extended Connectivity 2\*DP, HDMI, 2\*USB-C@ 10Gb/s
  - Smart Fan 6 Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
  - Q-Flash Plus Update BIOS Without Installing the CPU, Memory and Graphics Card
- Micro ATX, Socket AM5, AMD B650 chipset, 4x DDR5 DIMM, AMI UEFI BIOS, WIFI, Bluetooth 5.3



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor socket *	Socket AM5	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Compatible processor series *	AMD Ryzen™ 5, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Supported processor sockets	Socket AM5	Ethernet LAN (RJ-45) ports *	1
Memory		PS/2 ports quantity	1
Supported memory types *	DDR5-SDRAM	HDMI ports quantity *	1
Number of memory slots *	4	HDMI version	2.1
Memory slots type	DIMM	DisplayPorts quantity	2
Memory channels	Dual-channel	DisplayPort version	1.4
Non-ECC	✓	Headphone outputs	3
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400 MHz	Microphone in	✓
Supported memory clock speed (max)	6400 MHz	USB connector type	USB Type-A, USB Type-C
Maximum internal memory *	128 GB	Network	
Unbuffered memory	✓	Ethernet LAN	✓
Storage controllers		Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive types	HDD & SSD	Wi-Fi *	✓
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Number of storage drives supported	6	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
RAID support	✓	Bluetooth	✓
RAID levels	0, 1, 10	Bluetooth version	5.3
Graphics		Features	
Parallel processing technology support *	Not supported	Motherboard chipset *	AMD B650
Maximum resolution	4096 x 2160 pixels	Audio output channels *	7.1 channels
HDCP	✓	PC health monitoring	Fan, Temperature, Voltage
Number of displays supported	3	Component for *	PC
Internal I/O		Motherboard form factor *	micro ATX
USB 2.0 connectors *	2	Motherboard chipset family *	AMD
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Windows operating systems supported	Windows 10 x64, Windows 11 x64

Internal I/O		Expansion slots	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	PCI Express x1 slots	1
Number of SATA III connectors *	4	PCI Express x16 slots	1
Front panel audio connector	✓	Number of M.2 (M) slots	2
Front panel connector	✓	<b>BIOS</b>	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
CPU fan connector	✓	BIOS memory size	256 Mbit
EPS power connector (8-pin)	✓	ACPI version	5.0
TPM connector	✓	Clear CMOS jumper	✓
Serial port headers	1	Desktop Management Interface (DMI) version	2.7
12V power connector	✓	System Management BIOS (SMBIOS) version	2.7
RGB LED pin header	✓	<b>Weight &amp; dimensions</b>	
<b>Rear panel I/O ports</b>		Width	244 mm
USB 2.0 ports quantity *	4	Depth	244 mm
		<b>Packaging content</b>	
		Cables included	SATA



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