GIGABYTE B550 Gaming X V2 Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, 10+3 Phases Digital Twin Power Design, up to 4733MHz DDR4 (OC), 2xPCIe 3.0 M.2, GbE LAN, USB 3.2 Gen1

Brand : GIGABYTE

Product code: B550 GAMING X V2

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AMD AM4, AMD B550, 4 x DDR4 DIMM, Gigabit LAN, 7.1 Audio, 4 x SATA 6Gb/s, 1 x HDMI, 1 x RJ-45, ATX

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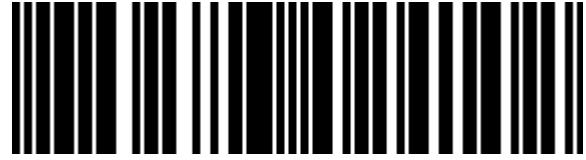
Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your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

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD Ryzen™ 3, 2nd Generation AMD Ryzen™ 3, 3rd Generation AMD Ryzen™ 3, AMD Ryzen™ 5, 2nd Generation AMD Ryzen™ 5, 3rd Generation AMD Ryzen 5
Maximum internal memory supported by processor	128 GB

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	✓
ECC compatibility	ECC & Non-ECC
Non-ECC	✓
Supported memory clock speeds	2133,2400,2667,2933,3200,3300,3333,3400,3466,3600,3733,3800,3866,4000,4266,4400,4733 MHz
Supported memory clock speed (max)	4733 MHz
Maximum internal memory *	128 GB
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 16GB, 32GB

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of HDDs supported	4
Number of storage drives supported	6
RAID support	✓
RAID levels	0, 1, 10

Graphics

Maximum graphics card memory	16 MB
Parallel processing technology support *	Not supported
On-board graphics card	✘
Graphics card family	AMD
HDCP	✓
DirectX version	12.0

Internal I/O

USB 2.0 connectors *	2

Rear panel I/O ports

USB connector type	USB Type-A

Network

Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet
Wi-Fi *	✘

Features

Motherboard chipset *	AMD B550
Audio chip	Realtek ALC887
Audio output channels *	7.1 channels
Product colour	Brown
PC health monitoring	CPU, Fan, LED, Power supply, Temperature, Voltage
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	AMD
Cooling type	Active
Power source type	ATX
Supported processor sockets (cooler)	Socket AM4
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Expansion slots

PCI Express x1 slots	3
PCI Express x1 (Gen 3.x) slots	3
PCI Express x16 slots	2
PCI Express x16 (Gen 3.x) slots	1
PCI Express x16 (Gen 4.x) slots	1
Number of M.2 (M) slots	2

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
ACPI version	5.0
Clear CMOS jumper	✓

Internal I/O	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
Number of SATA III connectors *	4
Total number of SATA connectors	4
S/PDIF out connector	✘
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
Power fan connector	✔
CPU fan connector	✔
TPM connector	✔
12V power connector	✔
RGB LED pin header	✔

Rear panel I/O ports	
USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
DVI-D ports quantity *	1
Headphone outputs	1
Microphone in	✔

BIOS	
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Logistics data	
Country of origin	China
Products per shipping (inner) case	1 pc(s)
Harmonized System (HS) code	84733020

Battery	
Battery weight	3 g
Lithium weight per battery	0.07 g
Number of battery cells	1
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032

Packaging data	
Package width	335 mm
Package depth	270 mm
Package height	80 mm
Package weight	1.71 kg

Weight & dimensions	
Width	305 mm
Depth	244 mm
Height	35 mm

Packaging content	
Batteries included	✔

Other features	
DVI port	✔
Supported DIMM module capacities	32GB
Weight	1.12 kg

Technical details	
Warranty period	3 year(s)

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