GIGABYTE

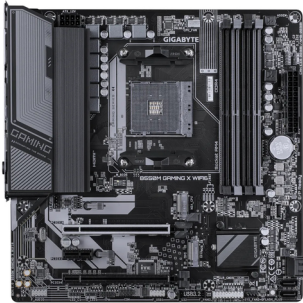# GIGABYTE B550M GAMING X WIFI6 motherboard AMD B550 Socket AM4 micro ATX

Brand : GIGABYTE

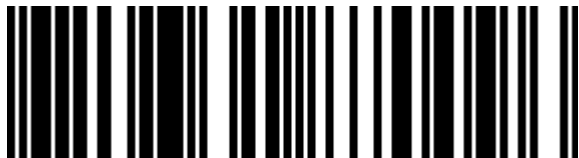**Product name :** B550M GAMING X WIFI6

Product code: B550M GAMING X WIFI6

AM4, B550, DDR4, ALC1220, HDMI, GbE, RTL8851BE, M.2
GIGABYTE B550M GAMING X WIFI6. Processor manufacturer: AMD, Processor socket: Socket AM4,
Compatible processor series: AMD Ryzen 3000 Series, AMD Ryzen 4000 Series, AMD Ryzen 5000 Series.
Supported memory types: DDR4-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM.
Supported storage drive interfaces: M.2, PCI Express 3.0, SATA, Supported storage drive types: HDD &
SSD, RAID levels: 0, 1, 10. Ethernet interface type: Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 6
(802.11ax), Wi-Fi standards: 802.11a, 802.11b, 802.11g, Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax).
Component for: PC, Motherboard form factor: micro ATX, Motherboard chipset family: AMD

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD Ryzen 3000 Series, AMD Ryzen 4000 Series, AMD Ryzen 5000 Series

Memory

Supported memory types *	DDR4-SDRAM
Memory slots type	DIMM
Memory channels	Dual-channel
Supported memory clock speeds	2133,2400,2667,2933,3200 MHz
Maximum internal memory *	128 GB
Supported memory module capacities	16GB, 24GB, 32GB
Unbuffered memory	✔

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, PCI Express 3.0, SATA
Number of HDDs supported	4
Number of storage drives supported	5
RAID support	✔
RAID levels	0, 1, 10

Internal I/O

USB 2.0 connectors *	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	4
Total number of SATA connectors	4
Audio connector	✔

Rear panel I/O ports

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.4
Digital audio optical out	3
WiFi-AP antenna jack	2

Network

Ethernet LAN	✔
Ethernet interface type	Gigabit Ethernet
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
WLAN controller model	Realtek RTL8851BE
Bluetooth	✔
Bluetooth version	5.3

Features

Motherboard chipset *	AMD B550
Audio chip	Realtek ALC1220
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	AMD

Internal I/O

Front panel connector	✔
ATX Power connector (24-pin)	✔
Power fan connector	✔
CPU fan connector	✔
Number of CPU fan connectors	1
Number of chassis fan connectors	2
EPS power connector (8-pin)	✔
TPM connector	✔
Serial port headers	1
RGB LED pin header	✔
Number of RGB LED pin headers	2

Features

Windows operating systems supported	Windows 10, Windows 11

Expansion slots

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

BIOS

BIOS type *	UEFI AMI
BIOS memory size	128 Mbit
ACPI version	5.0
Clear CMOS jumper	✔
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Weight & dimensions

Width	244 mm
Depth	244 mm

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