

SPECIFICATIONS



ASUS Z890 AYW GAMING (Wi-Fi 6) W DDR5 (Intel Core Ultra LGA1851 Socket) White
Motherboard #Z890 AYW GAMING WIFI W

Regular Price 46,110
Special Price 42,500

ID: 02.01.006.523

General

Brand	Asus
Model	Asus Z890 AYW GAMING (Wi-Fi 6) W
Body Color	White
Part No	Z890 AYW GAMING WIFI W

CPU

Chipset Brand	Intel
Chipset	Intel Z890
Sockets Supported	LGA1851
Built-in Processor	No
Supported CPU	Intel Core Ultra Processors(Series 2)
Generation	Ultra

Memory Support

Memory Type	DDR5
Memory MHz	9066+MT/s (OC)/ 8600+MT/s/ 8000(OC)/ 7800(OC)/ 7600(OC)/ 7200(OC)/ 7000(OC)/ 6800(OC)/ 6666(OC)/ 6600(OC)/ 6400(OC)/ 6200(OC)/ 6000(OC)/ 5600(OC)/ 5200/ 4800/ 4400 Non-ECC, Un-buffered ,Clocked Unbuffered DIMM
Memory Channel	Dual
Memory Slot	4
Memory Max.	192GB
Optane Memory Support	No

Storage

Storage Interface	6.0Gb/s
M.2/SSD Expansion Slot	4

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Ryans reserves right to change information including price any time.

M.2/SSD Slot Gen	Up to Gen 5
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Graphics

Graphics	Integrated
Graphics Chipset	Integrated With Processor
Multi-GPU Support	No
PCI Express Slot	1 x PCIe 5.0 x16 slot, 2 x PCIe 4.0 x16 slots, 1 x PCIe 4.0 x16 slot

Audio & Video

Audio Chipset	Realtek 7.1 Surround Sound High Definition Audio CODEC
Audio Channel	7.1

Network & Connectivity

LAN Chipset	Realtek 2.5Gb Ethernet
LAN Speed (Mbps)	100/ 1000/ 2500Mbps
WiFi	Yes
WiFi Technology	Wi-Fi 6 (802.11 a/b/g/n/ac/ax)
Bluetooth	Bluetooth 5.3

Ports

USB Port	1 x USB 20Gbps port (1 x USB Type-C with DP Alt mode), 3 x USB 10Gbps ports (3 x Type-A), 4 x USB 2.0 ports (4 x Type-A)
VGA Port	No
DVI Port	No
HDMI Port	No
DisplayPort (DP)	1
SATA Port	4
Thunderbolt	1

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TPM Port 1

Technical Info

Back-Connect Design No

Cable Management Front

Heatsink Yes

FireWire No

CrossFire Support No

Sli Support No

Raid Support 0/ 1/ 5/ 10

RGB Support ARGB

RGB Sync Aura Sync

Approx. Power Consumption 70W

Form Factor ATX

Bios Information

BIOS Type 256(128+128) Mb Flash ROM

BIOS Model UEFI AMI BIOS

Compatibility

Supported Operating System Windows 11

Compatible Products Supports Intel Core Ultra Processors(Series 2), LGA1851

Warranty

Warranty Details 3 Year Replacement

Feature ASUS AI Solutions include AI Advisor as your technical expert with expertise in PC performance, AI Cooling II for automated temperature control. NPU Boost, AEMP III for Ultimate DDR5 Performance, Cooler by design

Others Manageability: WOL by PME, PXE, Accessories: Cables: 2 x SATA 6Gb/s cables, Miscellaneous: 1 x ASUS Wi-Fi moving antenna, 2 x M.2 rubber packages, 1 x Screw package for M.2 SSD, Documentation: 1 x Quick start guide, ASUS 5X PROTECTION III, ASUS Q-Design, ASUS Thermal Solution, ASUS EZ DIY, Aura Sync, Front Panel USB 20Gbps with PD Fast Charge Support, Internal I/O Connectors: Fan and Cooling Related: 1 x 4-pin CPU Fan header, 1 x 4-pin CPU OPT Fan header, 1 x 4-pin AIO Pump header, 4 x 4-pin Chassis Fan headers, Power Related: 1 x 24-pin Main Power connector, 2 x 8-pin +12V CPU Power connectors, Storage Related: 4 x M.2 slots (Key M), 4 x SATA 6Gb/s ports, Miscellaneous: 3 x Addressable Gen2 headers, 1 x Clear CMOS header, 1 x COM Port header, 1 x Front Panel Audio header (F AUDIO), 1 x S/PDIF Out header, 1 x SPI TPM header (14-1 pin), 1 x 10-1 pin Front System Panel header, 1 x Thunderbolt (USB4) Header

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