

NOMBRE DEL PRODUCTO: Tarjeta madre TUF GAMING Z890-PLUS WIFI

INFORMACIÓN GENERAL DEL PRODUCTO

SKU: TUF GAMING Z890-PLUS WIFI

No. parte: 90MB1IQ0-M0AAY0

Código UPC: 197105763920

Dimensiones: 13.9 x 10.75 x 2.68inch

Peso bruto: 4.173lb

Garantía: 3 años

Enlace de descarga de imágenes:

https://www.dropbox.com/scl/fo/1oreirr5kmcsfq26znr2l/ANY6_8G9j7fy0Zxf760xPXE?rlke=y=s6dhi5iqtgxx0b78g2i7h9jul&st=3fbqke67&dl=0



INFORMACIÓN PARA EL ALTA WEB DEL PRODUCTO

[Título largo:] Tarjeta madre ASUS TUF Gaming Z890 PLUS WIFI, para Intel Core Ultra serie 2 (LGA 1851), ATX, Listo para IA, 16+1+2+1 fases de poder, DDR5, PCIE 5, Thunderbolt 4, Tipo C, WiFi 7, certificado grado militar.

[Título corto:] Tarjeta madre ASUS TUF Gaming Z890 PLUS WIFI 7, Intel Core Ultra serie 2 (LGA 1851), ATX, Listo para IA, 16+1+2+1 fases, DDR5, PCIE 5, Thunderbolt 4, Tipo C

[Puntos clave/ Características:]

1. Preparado para la informática de IA avanzada: Diseñados para el futuro de la computación de IA, con la potencia y conectividad necesarias para las exigentes aplicaciones de IA.
2. Zócalo Intel® LGA 1851: Preparado para los procesadores Intel® Core™ Ultra (serie 2).
3. IA exclusiva: AI Cooling II y AI Networking II para simplificar la configuración y mejorar el rendimiento
4. Solución de alimentación robusta: 16+1+2+1 etapas de alimentación DrMOS de 80 A con conectores de alimentación ProCool, PCB de 8 capas, choques de aleación y condensadores duraderos para un suministro de energía estable.
5. Diseño térmico optimizado: Disipadores VRM de gran tamaño, disipadores M.2 y PCH, cabezales de ventilador híbridos y Fan Xpert 4 con AI Cooling II.
6. Soporte M.2 de última generación: Una ranura M.2 PCIe® 5.0 integrada con solución de refrigeración y tres ranuras M.2 PCIe 4.0.

7. Conectividad Abundante: Puerto Thunderbolt™ 4 USB Type-C®, puerto USB 20Gbps Type-C® en el panel frontal, compatibilidad con cabezal Thunderbolt™ (USB4®) Redes de alto rendimiento: Wi-Fi 7 integrado (802.11be) con ASUS WiFi Q-Antenna y Ethernet Intel® de 2,5 Gb.
8. Diseño DIY: Q-Release para M.2, Q-Release para ranura PCIe, Q-Latch para M.2, Q-Antenna, Q-Dashboard, Q-LED, botón BIOS FlashBack™ y escudo de E/S premontado.
9. Personalización inigualable: tres cabezales Gen 2 direccionables, todos configurables con iluminación RGB Aura Sync exclusiva de ASUS.
10. Software de renombre: ASUS DriverHub, ASUS MyHotkey, TurboV Core, GlideX e intuitivo panel de control UEFI BIOS.

[Keywords:]

ASUS, TUF, Gaming, Z890, Z790, Z690, tarjeta madre Asus, tarjeta madre Intel, tarjeta madre lga 1700, tarjeta madre ddr5, Intel, LGA 1851, Intel Core Ultra serie 2, ATX, tarjeta madre, placa madre, AI ready, NVME, Aura Sync, WiFi 7, Pro Cool, Q Design, BIOS Flashback

ESPECIFICACIONES TÉCNICAS

TUF GAMING Z890-PLUS WIFI

Note: The specifications are subject to change without notice.

CPU	Support Intel® Core™ Ultra Processors(series 2), LGA1851*
	Supports Intel® Turbo Boost Technology 2.0 and Intel® Turbo Boost Max Technology 3.0**
	* Refer to https://www.asus.com/support/download-center/ for CPU support list.
	** Intel® Turbo Boost Max Technology 3.0 support depends on the CPU types.
Chipset	Intel® Z890 Chipset
Memory	4 x DIMM slots, max. 192GB, DDR5 Support up to 8600+MT/s (OC), Non-ECC, Un-buffered ,Clockd Unbuffered DIMM (CUDIMM)*
	Dual channel memory architecture
	DIMM Fit
	Supports Intel® Extreme Memory Profile (XMP) memory module

	ASUS Enhanced Memory Profile III(AEMPIII)
	* Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration, for more information please refer to CPU/Memory Support list under the Support tab of product information site or visit https://www.asus.com/support/download-center/ .
	** Non-ECC, un-buffered DDR5 memory supports On-Die ECC function.
Graphics	1 x DisplayPort**
	1 x HDMI™ port***
	1 x Intel® Thunderbolt™ 4 port (USB Type-C®) supports DisplayPort and Thunderbolt™ video outputs****
	1 x USB 20Gbps port supports USB Type-C® display output*****
	* Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates.
	** Supports max. 4K@60Hz as specified in DisplayPort 1.4.
	*** Supports 4K@60Hz as specified in HDMI 2.1.
	****Supports up to 8K@60Hz x1 with DSC, maximum total bandwidth up to 23.8Gbps, for resolution support please check DisplayPort 2.1 specs.
	***** Supports max. 4K@60Hz as specified in DisplayPort 1.4.
	***** VGA resolution support depends on processors' or graphic cards' resolution.
Expansion Slots	Intel® Core™ Ultra Processors(series 2)*
	1 x PCIe 5.0 x16 slot
	Intel® Z890 Chipset
	1 x PCIe 4.0 x16 slot (supports x4 mode)
	1 x PCIe 4.0 x4 slot
	2 x PCIe 4.0 x1 slots
	* Please check the PCIe bifurcation table on the support site (https://www.asus.com/support/FAQ/1037507/).
	- To ensure compatibility of the device installed, please refer to https://www.asus.com/support/download-center/ for the list of supported peripherals.

Storage	Total Supports 4 x M.2 slots and 4 x SATA 6Gb/s ports*
	Intel® Core™ Ultra Processors(series 2) *
	M.2_1 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)
	M.2_2 slot (Key M), type 2280 (supports PCIe 4.0 x4 mode)
	Intel® Z890 Chipset
	M.2_3 slot (Key M), type 2280/22110 (supports PCIe 4.0 x4 mode)
	M.2_4 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 & SATA modes)
	4 x SATA 6Gb/s ports
* Intel® Rapid Storage Technology supports PCIe RAID 0/1/5/10, SATA RAID 0/1/5/10, M.2 slot from CPU only support RAID 0/1/5.	
Ethernet	1 x Intel® 2.5Gb Ethernet
	TUF LANGuard
Wireless & Bluetooth®	Wi-Fi 7* 2x2 Wi-Fi 7 (802.11be) Supports 2.4/5/6GHz frequency band** Supports Wi-Fi 7 160MHz bandwidth, up to 2.9Gbps transfer rate. Bluetooth® v5.4***
	*Wi-Fi features may vary depending on the operating system For Windows 11, Wi-Fi 7 will require 24H2 or later version for full functions, Windows 11 21H2/22H2/23H2 only support Wi-Fi 6E. For Windows 10, please note that no driver is available , please refer to the Wi-Fi chipset vendor's website for details. ** Wi-Fi 6GHz frequency band and bandwidth regulatory may vary between countries. *** The Bluetooth® version may vary, please refer to the Wi-Fi module manufacturer's website for the latest specifications.
USB	Rear USB (Total 8 ports)
	1 x Thunderbolt™ 4 port (1 x USB Type-C®)
	1 x USB 20Gbps port (1 x USB Type-C®)
	3 x USB 10Gbps ports (3 x Type-A)
	3 x USB 5Gbps ports (3 x Type-A)
	Front USB (Total 7 ports)

	1 x USB 20Gbps connector (supports USB Type-C®)
	1 x USB 5Gbps header supports 2 additional USB 5Gbps ports
	2 x USB 2.0 headers support 4 additional USB 2.0 ports
Audio	Realtek ALC1220P 7.1 Surround Sound High Definition Audio CODEC* - Impedance sense for front and rear headphone outputs - Internal audio Amplifier to enhance the highest quality sound for headphone and speakers - Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking - High quality 120 dB SNR stereo playback output and 113 dB SNR recording input (Line-in) - Supports up to 32-Bit/192 kHz playback*
	Audio Features
	- Audio Shielding
	- Rear optical S/PDIF out port
	- Premium audio capacitors
	- Dedicated audio PCB layers
	- Audio cover
	- Unique de-pop circuit
	* Due to limitations in HDA bandwidth, 32-Bit/192 kHz is not supported for 7.1 Surround Sound audio.
Back Panel I/O Ports	1 x Thunderbolt™ 4 USB Type-C® port
	1 x USB 20Gbps port (1 x USB Type-C® with DP Alt mode)
	3 x USB 10Gbps ports (3 x Type-A)
	3 x USB 5Gbps ports (3 x Type-A)
	1 x DisplayPort
	1 x HDMI™ port
	1 x Wi-Fi module
	1 x Intel® 2.5Gb Ethernet port
	5 x Audio jacks
	1 x Optical S/PDIF out port

	1 x BIOS FlashBack™ button
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 connector
	Storage Related
	4 x M.2 slots (Key M)
	4 x SATA 6Gb/s ports
	USB
	1 x USB 20Gbps connector (supports USB Type-C®)
	1 x USB 5Gbps header supports 2 additional USB 5Gbps ports
	2 x USB 2.0 headers support 4 additional USB 2.0 ports
	Miscellaneous
	3 x Addressable Gen 2 headers
	1 x Clear CMOS header
	1 x Chassis Intrusion header
	1 x COM Port header
	1 x Front Panel Audio header (F_AUDIO)
	1 x 10-1 pin Front System Panel header
	1 x Thunderbolt™ (USB4®) header
Special Features	ASUS TUF PROTECTION
	- DIGI+ VRM (- Digital power design with DrMOS)
	- ESD Guards

- TUF LANGuard
- Overvoltage protection
- SafeSlot
- Stainless-steel back I/O
ASUS Q-Design
- M.2 Q-Latch
- M.2 Q-Release
- M.2 Q-Slide
- PCIe Slot Q-Release
- Q-Antenna
- Q-Dashboard
- Q-DIMM
- Q-LED (CPU [red], DRAM [yellow], VGA [white], Boot Device [yellow green])
- Q-Slot
ASUS Thermal Solution
- M.2 heatsink backplate
- M.2 heatsink
- VRM heatsink design
ASUS EZ DIY
- BIOS FlashBack™ button
- BIOS FlashBack™ LED
- CPU Socket lever protector
- ProCool
- Pre-mounted I/O shield
- SafeDIMM
Aura Sync
- Addressable Gen 2 headers

Software Features	ASUS Exclusive Software
	Armoury Crate
	- Aura Creator
	- Aura Sync
	- Fan Xpert 4 (with AI Cooling II)
	- Power Saving
	ASUS DriverHub
	ASUS GlideX
	TurboV Core
	TUF GAMING CPU-Z
	DTS Audio Processing
	Norton 360 for Gamers (60 Days Free Trial)
	WinRAR (40 Days Free Trial)
	UEFI BIOS
	AI Overclocking Guide
	ASUS EZ DIY
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 3
	- ASUS UEFI BIOS EZ Mode
	- ASUS MyHotkey
	FlexKey
	NPU Boost
BIOS	256 Mb Flash ROM, UEFI AMI BIOS
Manageability	WOL by PME, PXE
Accessories	Cables
	2 x SATA 6Gb/s cables
	Miscellaneous

	1 x ASUS WiFi Q-Antenna
	1 x M.2 Q-Slide package
	2 x M.2 rubber packages
	1 x Screw package for M.2 SSD
	1 x TUF GAMING sticker
	Documentation
	1 x Quick start guide
Operating System	Windows 11 (22H2 & later)
Form Factor	ATX Form Factor
	12 inch x 9.6 inch (30.5 cm x 24.4 cm)
Dimension	
Product (mm)_ L*W*H	305mm*244mm*49mm
Color Box (mm)_ L*W*H	353mm*273mm*68mm
Weight	
Motherboard only	1.53KG
Full package	2.344KG