

NOMBRE DEL PRODUCTO: Tarjeta madre ROG MAXIMUS Z890 HERO

INFORMACIÓN GENERAL DEL PRODUCTO

SKU: ROG MAXIMUS Z890 HERO

No. parte: 90MB1ID0-M0AAY0

Código UPC: 197105747227

Dimensiones: 14.57 x 12.28 x 4.25 inch

Peso bruto: 9.76 lbs

Garantía: 3 años

Enlace de descarga de imágenes:

<https://www.dropbox.com/scl/fo/4m1dcpr3hxvi85s8idthd/AHsEF8zi775UgbqmtlZovFs?rlk=tezrgv226elia4fpwuzqkrjfp&st=ch29qjna&dl=0>



INFORMACIÓN PARA EL ALTA WEB DEL PRODUCTO

[Título largo:] Tarjeta madre ASUS ROG MAXIMUS Z890 HERO para Intel Core Ultra serie 2 (LGA1851), ATX, Listo para IA, 22+2+1+2 fases, DDR5, WiFi 7, Thunderbolt 4, PCIE 5

[Título corto:] Tarjeta madre ASUS ROG MAXIMUS Z890 HERO, Intel Core Ultra serie 2 (LGA 1851), ATX, 22+2+1+2 fases, DDR5, WiFi 7, Thunderbolt 4, PCIE 5

[Puntos clave/ Características:]

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.

Zócalo Intel® LGA 1851: Preparado para los procesadores Intel® Core™ Ultra (serie 2).

Tecnologías de IA exclusivas: ASUS AI Advisor, AI Overclocking exclusivo de ASUS, AI Cooling II y AI Networking II para simplificar la configuración y mejorar el rendimiento.

Tecnologías exclusivas de overclocking y memoria: Tecnología NitroPath DRAM, NPU Boost, DIMM Fit, DIMM Flex y AEMP III para simplificar la configuración y mejorar el rendimiento.

Solución de alimentación robusta: 22(110A)+2(90A)+1(90A)+2(80A) etapas de alimentación con conectores de alimentación ProCool II, choques de aleación MicroFine y condensadores metálicos de primera calidad.

Diseño térmico optimizado: Disipadores masivos integrados con la cubierta de E/S, unidos por un heatpipe en forma de U y conectados a las etapas de potencia con almohadillas térmicas de alta conductividad



Soporte M.2 de última generación: Tres ranuras PCIe® 5.0 M.2 en placa y tres ranuras PCIe 4.0 M.2 en placa con ROG M.2 Power Boosts, todas con importantes soluciones de refrigeración.

Conectividad abundante: Dos puertos USB Thunderbolt™ 4 Type-C®, conector USB 20Gbps Type-C en el panel frontal con Quick Charge 4+ de hasta 60W y USB Wattage Watcher, conector USB 10Gbps Type-C en el panel frontal, cinco puertos USB 10Gbps adicionales, PCIe 5.0 x16 SafeSlot, HDMI™ 2.1

Redes de alto rendimiento: Wi-Fi 7 (802.11be) integrado con ASUS WiFi Q-Antenna, Intel 2.5Gb Ethernet y Realtek 5Gb Ethernet

Diseño DIY: Ranura PCIe Q-Release Slim, nuevo M.2 Q-Latch, M.2 Q-Release, M.2 Q-Slide, Q-Antenna, Q-Dashboard, Q-Code, Q-LED, botón FlexKey, botón Start, botón BIOS FlashBack™, botón Clear CMOS y escudo de E/S premontado.

Audio envolvente: Códec ROG SupremeFX ALC4082 con ESS® ES9219 Quad DAC para reproducción de hasta 32-Bit/384 kHz.

Personalización sin igual: Cubierta de E/S con Polymo Lighting II, tres cabezales Gen 2 ARGB, todos configurables con iluminación RGB Aura Sync exclusiva de ASUS

Software de renombre: ASUS DriverHub, Dolby Atmos®, suscripción exclusiva de 1 año a Internet Security, TurboV Core, GlideX, HWiNFO, y suscripción incluida de 1 año a AIDA64 Extreme e intuitivo BIOS Q-Dashboard

[Keywords:]

ASUS, ROG, MAXIMUS, HERO, 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, NPU Boost, Nitropath, AEMP, WiFi 7, Q Antenna, PCIE 5, NVME, Thunderbolt 4, Tipo C, AI Overclocking, Networking, Polymo

ESPECIFICACIONES TÉCNICAS

ROG MAXIMUS Z890 HERO

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 www.asus.com 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 8800+MT/s (OC), Non-ECC, Un-buffered, Clocked Unbuffered DIMM (CUDIMM)*
	Dual channel memory architecture
	Supports Intel® Extreme Memory Profile (XMP) memory module
	Supports DIMM Flex
	NitroPath DRAM Technology
	DIMM FIT
	ASUS Enhanced Memory Profile III (AEMP III)
	* 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 HDMI™ port**
	2 x Intel® Thunderbolt™ 4 ports (USB Type-C®) support DisplayPort and Thunderbolt™ video outputs***
	* Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates

	** Supports max. 8K@60Hz with DSC as specified in HDMI 2.1.
	*** In Thunderbolt™ 4 mode, supports up to 8K@60Hz x1 with DSC or 4K@60Hz x 2, maximum total bandwidth up to 23.8Gbps or 16Gbps/16Gbps, for resolution support please check DisplayPort 2.1 specs.
	**** In DP alt mode, Only one USB Type-C® port supports up to UHBR20 at a time.
	***** 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 (supports x16 or x8/x4/x4 modes)**
	Intel® Z890 Chipset
	1 x PCIe 4.0 x16 slot (supports x4 mode)
	1 x PCIe 4.0 x1 slot
	* Please check the PCIe bifurcation table on the support site (https://www.asus.com/support/FAQ/1037507/).
	** When M.2_3 or M.2_4 is enabled, PCIEX16(G5) will run x8 only.
Storage	- To ensure compatibility of the device installed, please refer to https://www.asus.com/support/ for the list of supported peripherals.
	Supports 6 x M.2 slots and 4 x SATA 6Gb/s ports*
	Intel® Core™ Ultra Processors (Series 2) *
	M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 5.0 x4 mode)
	M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)
	M.2_3 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)**
	M.2_4 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)
	Intel® Z890 Chipset
	M.2_5 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)
	M.2_6 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)
	4 x SATA 6Gb/s ports
	SlimSAS slot supports PCIe 4.0 x4 mode or up to 4 SATA devices via a transfer cable. The cable is purchased separately.

	* Intel® Rapid Storage Technology supports PCIe RAID 0/1/5/10, SATA RAID 0/1/5/10, M.2 slot from CPU only supports RAID 0/1/5
	** When M.2_3 or M.2_4 is enabled, PCIe16(G5) will run x8 only.
Ethernet	1 x Intel® 2.5Gb Ethernet
	1 x Realtek 5Gb Ethernet
	ASUS LANGuard
Wireless & Bluetooth®	Wi-Fi 7* 2x2 Wi-Fi 7 (802.11be) Supports 2.4/5/6GHz frequency band** Supports Wi-Fi 7 320MHz bandwidth, up to 5.8Gbps 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 supports Wi-Fi 6E. For Windows 10, only Wi-Fi 6 is supported. ** 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 11 ports)
	2 x Thunderbolt™ 4 ports (2 x USB Type-C®)
	5 x USB 10Gbps ports (4 x Type-A + 1 x USB Type-C®)
	4 x USB 5Gbps ports (4 x Type-A)
	Front USB (Total 10 ports)
	1 x USB 20Gbps connector (supports USB Type-C® with up to 60W PD/QC4+)*
	1 x USB 10Gbps connector (supports USB Type-C®)
	2 x USB 5Gbps headers support 4 additional USB 5Gbps ports
	2 x USB 2.0 headers support 4 additional USB 2.0 ports
	USB Type-C® power delivery output: max. 5V/3A
	* USB Type-C® power delivery output: 5/9/15/20V max. 3A, PPS:3.3–21V max. 3A
Audio	ROG SupremeFX 7.1 Surround Sound High Definition Audio CODEC ALC4082* - Impedance sense for front and rear headphone outputs

	- Supports: Jack-detection, Multi-streaming, Front Panel MIC Jack-retasking
	- High quality 120 dB SNR stereo playback output and 110 dB SNR recording input
	- Supports up to 32-Bit/384 kHz playback on front panel
	Audio Features
	- SupremeFX Shielding Technology
	- ESS® ES9219 QUAD DAC
	- Gold-plated audio jacks
Back Panel I/O Ports	- Rear optical S/PDIF out port
	- Premium audio capacitors
	* The LINE OUT port on the rear panel does not support spatial audio. If you wish to use spatial audio, make sure to connect your audio output device to the audio jack on the front panel of your chassis or use a USB interface audio device.
	2 x Thunderbolt™ 4 USB Type-C® ports
	5 x USB 10Gbps ports (4 x Type-A + 1 x USB Type-C®)
	4 x USB 5Gbps ports (4 x Type-A)
	1 x HDMI™ port
Internal I/O Connectors	1 x Wi-Fi module
	1 x Intel® 2.5Gb Ethernet port
	1 x Realtek 5Gb Ethernet port
	2 x Gold-plated audio jacks
	1 x Optical S/PDIF out port
	1 x BIOS FlashBack™ button
	1 x Clear CMOS button
	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

	1 x W_PUMP+ headers
	Power Related
	1 x 24-pin Main Power connector
	2 x 8-pin +12V CPU Power connectors
	1 x 8-pin PCIe Power connector
	Storage Related
	6 x M.2 slots (Key M)
	4 x SATA 6Gb/s ports
	1 x SlimSAS connector
	USB
	1 x USB 20Gbps connector (supports USB Type-C®)
	1 x USB 10Gps connector (supports USB Type-C®)
	2 x USB 5Gbps headers support 4 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 Alteration PCIe mode switch
	1 x FlexKey button
	1 x Front Panel Audio header (F_AUDIO)
	1 x ReTry button
	1 x Start button
	1 x 10-1 pin System Panel header
	1 x Thermal Sensor header
	1 x Thunderbolt™ (USB4®) header
Special Features	Extreme OC Kit
	- FlexKey button
	- ReTry button

	- Start button
	Extreme Engine Digi+
	- 10K Black metallic capacitors
	- MicroFine alloy choke
	ASUS Q-Design
	- M.2 Q-Latch
	- M.2 Q-Release
	- M.2 Q-Slide
	- Q-Release Slim (with PCIe SafeSlot)
	- Q-Antenna
	- Q-Code
	- Q-Connector
	- Q-Dashboard
	- Q-LED (CPU [red], DRAM [yellow], VGA [white], Boot Device [yellow green])
	- Q-Slot
	ASUS Thermal Solution
	- M.2 heatsink backplate
	- M.2 heatsink
	- Metal backplate
	- VRM heatsink design
	ASUS EZ DIY
	- Backplate
	- BIOS FlashBack™ button
	- Clear CMOS button
	- CPU Socket lever protector
	- ProCool II
	- Pre-mounted I/O shield

	- SafeSlot
	- SafeDIMM
	Aura Sync
	- Addressable Gen 2 header(s)
	ROG M.2 PowerBoost
	Front Panel USB 20Gbps with Quick Charge 4+ Support
	- Support: up to 60W fast charging and USB Wattage Watcher*
	- Output: 5/9/15/20V max. 3A, PPS:3.3–21V max. 3A
	- Compatible with PD3.0 and PPS
	* To support 60W, please install the power cable to the 8-pin PCIe power connector or else only 27W will be supported.
Software Features	ROG Exclusive Software
	- ROG CPU-Z
	- Dolby Atmos
	- Polymo Lighting II
	- Internet Security (1-year full version)
	ASUS Exclusive Software
	Armoury Crate
	- AIDA64 Extreme (1 year full version)
	- Aura Creator
	- Aura Sync
	- Xpert 4 (with AI Cooling II)
	- GameFirst
	- Power Saving
	- Hwinfo
	ASUS AI Advisor
	ASUS DriverHub
	ASUS GlideX

	Thunderbolt™ Share
	USB Wattage Watcher
	TurboV Core
	Adobe Creative Cloud (Free Trial)
	WinRAR (40 Days Free Trial)
	UEFI BIOS
	NPU Boost
	AI Overclocking Guide
	ASUS EZ DIY
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 3
	- ASUS UEFI BIOS EZ Mode
	- ASUS MyHotkey
	FlexKey
BIOS	256 Mb Flash ROM, UEFI AMI BIOS
Manageability	WOL by PME
Accessories	Cables
	1 x ARGB RGB extension cable
	4 x SATA 6Gb/s cables
	Additional Cooling Kit
	1 x DDR5 fan holder
	1 x Thermal pad for M.2 22110
	Miscellaneous
	1 x ASUS WiFi Q-Antenna
	1 x Q-connector
	1 x M.2 Q-Latch package
	3 x M.2 Q-Slide packages

	1 x ROG stickers
	6 x M.2 rubber packages
	1 x ROG thank you card
	1 x ROG Bottle Opener
	Installation Media
	1 x USB drive with utilities and drivers
	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)