



ASUS Republic of Gamers Maximus XII Hero LGA 1200 ATX Motherboard (Wi-Fi) ROG MAXIMUS XII HERO (WI-FI)

\$379.99

Product Images



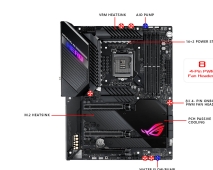
Total Gaming Immersion

ASUS ROG and RGB & Memory, RGB Sync, RGB Lighting, Addressable Gen 2 RGB Headers, Immersive Gaming Audio



Extreme Power & Comprehensive Cooling

Featuring 14+1 Power Stages, VRM Heatsinks and Liquid Cooling Headers, Large Chassis Heatpipe



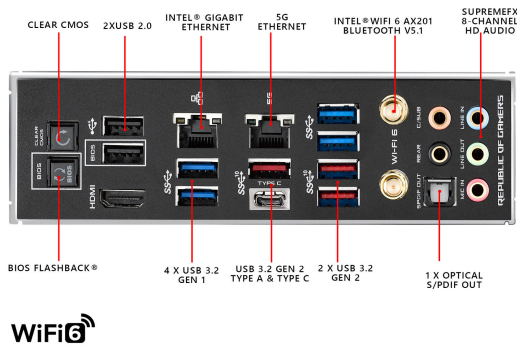
Build for Gaming Connectivity & Speed

4x SATA 6 Gb/s, 16x SATA 6 Gb/s, 16x SATA 6 Gb/s, 16x SATA 6 Gb/s, 16x SATA 6 Gb/s, 16x SATA 6 Gb/s



Full Gaming Connectivity

Intel® WiFi 6 AX201, 5G LAN, Intel LAN, Bluetooth v5.1
SupremeFX 8-Channel HD Audio and BIOS FlashBack



What's in the Box

Exclusive ROG MAXIMUS XII HERO Wi-Fi Bundle



Short Description

Powered exclusively by 10th Generation Intel Core, Pentium Gold, and Celeron processors, the Republic of Gamers Maximus XII Hero LGA 1200 ATX Motherboard (Wi-Fi) from ASUS packs enhanced memory pathways across different PCB layers, boasts a robust power design with 14+2 power stages with a ProCool II power connector, smart cooling, and faster memory support with ASUS OptiMem III.

Description

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The ATX form factor of the ROG Maximus XII Hero can support up to 128GB of DDR4 RAM over four dual-channel slots, or 32GB per slot at speeds of 4700+ (OC), 4600 (OC), 4500 (OC), 4400 (OC), 4266 (OC), 4133 (OC), 4000 (OC), 3866 (OC), 3733 (OC), 3600 (OC), 3466 (OC), 3400 (OC), 3333 (OC), 3200 (OC), 3000 (OC), 2933 (OC), 2800 (OC), 2666, 2400, and 2133 MHz non-ECC unbuffered memory. For storage, there are six SATA III 6 Gb/s ports and three M.2 Key M sockets, two of which support type 2242, 2260, 2280, and 22110 SATA and PCIe 3.0 x4 SSDs, while the other supports type 2242, 2260, and 2280 SATA and PCIe 3.0 x4 SSDs. The ROG Maximus XII Hero supports Intel Optane Memory and allows its storage to be configured as RAID 0, 1, 5, and 10.

There is one USB 3.2 Gen 2 Type-C port (rear panel), three USB 3.2 Gen 2 Type-A ports (rear panel), four USB 3.2 Gen 1 Type-A ports (rear panel), two USB 2.0 Type-A ports (rear panel), and more internal USB headers that support USB 3.2 Gen 2 Type-C, USB 3.2 Gen 1, and USB 2.0. For those looking to expand their system

using PCIe, there are two PCIe 3.0 x16 slots that support x16 or x8/x8, one PCIe 3.0 x16 slot that supports x4, and three PCIe 3.0 x1 slots. Network connectivity is achieved using a Marvell AQtion AQC111C 5Gb Ethernet port or an Intel I219V Gigabit Ethernet port, while wireless connectivity is provided by Wi-Fi 6 (802.11ax) and Bluetooth 5.1.

For delivering sharp, clear graphics, this motherboard has an HDMI 1.4b port, though graphics specs vary between CPU types. For users looking to take advantage of multiple GPUs, the ROG Maximus XII Hero supports AMD 3-Way/2-Way CrossFireX and NVIDIA 2-Way SLI technologies.

Using the ROG SupremeFX S1220 8-Channel HD audio codec, the ROG Maximus XII Hero can support audio with higher fidelity than standard controllers. Audio can also be output using the integrated five 3.5mm audio outputs or optical S/PDIF output. Protection is provided by a limited 3-year warranty.

MAXIMUS XII HERO

At the heart of the MAXIMUS XII HERO is a motherboard that is designed to be the most powerful and versatile in the world. It's a motherboard that is designed to be the most powerful and versatile in the world.



Intelligent Motherboard

The MAXIMUS XII HERO is designed to be the most powerful and versatile in the world. It's a motherboard that is designed to be the most powerful and versatile in the world.

AI Overclocking

AI Overclocking

AI Cooling

AI Cooling

AI Networking

AI Networking

SPEC OVERVIEW

Performance | Storage | Audio | Networking | AI | BIOS

Extreme Power & Performance



PERFORMANCE

The MAXIMUS XII HERO is designed to be the most powerful and versatile in the world. It's a motherboard that is designed to be the most powerful and versatile in the world.

Power solution | Memory

COOLING

The MAXIMUS XII HERO is designed to be the most powerful and versatile in the world. It's a motherboard that is designed to be the most powerful and versatile in the world.

Heat sinks | Fans

OPTIMIZATION

The MAXIMUS XII HERO is designed to be the most powerful and versatile in the world. It's a motherboard that is designed to be the most powerful and versatile in the world.

5-way optimization | BIOS | Differential Sensing

MAXIMUS XII HERO

CONNECTIVITY

The MAXIMUS XII HERO is designed to be the most powerful and versatile in the world. It's a motherboard that is designed to be the most powerful and versatile in the world.

Networking | Storage | Audio

PERSONALIZE

The MAXIMUS XII HERO is designed to be the most powerful and versatile in the world. It's a motherboard that is designed to be the most powerful and versatile in the world.

Audio | Storage | Audio | Audio

General Features

Intel LGA 1200 Socket

The ASUS Republic of Gamers Maximus XII Hero LGA 1200 ATX Motherboard (Wi-Fi) is designed to unleash the maximum performance of 10th Gen Intel Core processors.

Enhanced Power Solution

This motherboard features 14+2 power stages with a ProCool II power connector, high-quality alloy chokes, and durable capacitors to provide reliable power even when the CPU is pushed to its limit.

Optimized Thermal Design

Expect comprehensive heatsink, heatpipe, and fan headers with low-noise AI cooling to balance thermals and acoustics by reducing fan speeds and maintaining a 41°F / 5°C delta.

Fast Connectivity

This motherboard features 5Gb and Gigabit Ethernet, LANGuard, three M.2 slots, USB 3.2 Gen 2, and Intel Wi-Fi 6 (802.11ax).

Gaming Audio

High-fidelity audio with the SupremeFX S1220A codec, DTS Sound Unbound, and Sonic Studio III draws you deeper into the game action.

Personalization

This motherboard features ASUS-exclusive Aura Sync RGB lighting, including RGB headers and Gen 2 addressable headers.

DIY Friendly Design

A pre-mounted I/O shield, BIOS Flashback, Q-Code, and FlexKey help make your build DIY friendly.

Specifications

ASUS Maximus XII Hero Specs

CPU

Chipset Intel Z490

CPU Socket LGA 1200

Back Panel I/O

USB	1 x USB 3.1 / USB 3.2 Gen 2 Type-C 3 x USB 3.1 / USB 3.2 Gen 2 Type-A 4 x USB 3.1 / USB 3.2 Gen 1 Type-A 2 x USB 2.0 Type-A
Thunderbolt	<i>None</i>
Display	1 x HDMI 1.4b
Audio	5 x 3.5 mm 1 x S/PDIF
Ethernet / Controller	1 x 5GbE 1 x Intel I219V Gigabit
Wi-Fi Antenna	1 x Connector
Buttons	BIOS Flashback, Clear CMOS

Memory

Memory Slots	4 x 288-Pin
Memory Support	DDR4 2133, 2400, 2666, 2800, 2933, 3000, 3200, 3333, 3400, 3466, 3600, 3733, 3866, 4000, 4133, 4266, 4400, 4500, 4600, 4700 MHz
Maximum Capacity	128 GB
Channel Architecture	Dual Channel
ECC Support	Non-ECC Unbuffered

Storage Expansion

SATA	6 x SATA III
M.2	2 x M Key 2242, 2260, 2280, 22110 (PCIe 3.0 x4, SATA III) 1 x M Key 2242, 2260, 2280 (PCIe 3.0 x4)
U.2	<i>None</i>
Optane Memory Support	Yes
RAID Support	RAID 0, 1, 5, 10

Internal I/O

Expansion Slots	2 x PCIe 3.0 x16 1 x PCIe 3.0 x16 (x4 mode) 3 x PCIe 3.0 x1
USB	1 x USB 3.1 / USB 3.2 Gen 1 Header (Supports 2 USB Type-A Port) 2 x USB 2.0 Header (Supports 4 USB Type-A Port)
Multi-GPU Support	2-Way, 3-Way AMD CrossFireX 2-Way NVIDIA SLI

Air Cooling	1 x 4-Pin CPU
	1 x 4-Pin Assistant
	4 x 4-Pin System
	1 x 2-Pin W_IN
	1 x 2-Pin W_OUT
	1 x 3-Pin W_FLOW
Liquid Cooling	2 x 4-Pin Pump
Power Connectors	1 x 24-Pin Mainboard
	1 x 8-Pin CPU
	1 x 4-Pin ATX
LED Header	2 x RGB
Audio	<i>None</i>
Diagnostics	ReTry, Start
Add-On	1 x Thunderbolt Card Header
BIOS	
ROM	256 Mb
Front Panel I/O	
I/O Connection Headers	AAFP, USB 3.1 / USB 3.2 Gen 2
Audio	
Audio Codec	SupremeFX 1220 (8-Channel)
Wireless	
Bluetooth	5.1
Wi-Fi	Wi-Fi 6 (802.11ax) (MU-MIMO)
Software	
Supported Operating Systems	Windows 10 (64-Bit)
Physical	
Form Factor	ATX
Packaging Info	
Package Weight	6.38 lb
Box Dimensions (LxWxH)	14.7 x 12.2 x 4.4"

Additional Information

Brand	ASUS
SKU	ROG MAXIMUS XII HERO (WI-FI)
Weight	9.0000
Processor Manufacturer	Intel
Chipset	Z490

