ASUS ROG CROSSHAIR VIII HERO WIFI

Asus ROG Crosshair VIII Hero Wi-Fi AMD Ryzen 5000 series Socket AM4 ATX Motherboard

Product Overview

Asus ROG Crosshair VIII Hero Wi-Fi AMD Ryzen 5000 series Socket AM4 ATX Motherboard, AMD X570 Chipset, 4x DDR4 DIMM Memory slots, Supports nVidia 2-way SLI technology, Supports AMD 3-way CrossFireX technology, Supports AMD 2-way CrossFireX technology, 2x PCI-e 4.0 x16 (x16 or Dual x8), 2x PCI-e 3.0 x16 (x16 or Dual x8), 1x PCI-e 3.0 x16 (x8 mode), 8x SATA 6Gb/s Ports, Realtek RTL8125-cg 2.5G LAN, Intel Wi-Fi 6 AX200, Bluetooth 5.0, ROG SupremeFX8-Channel high definition audio, 4x USB 3.2 Gen 1 Ports, 1x USB 3.2 Gen 2 front panel connector Ports, 4x USB 3.2 Gen 2 Ports, 6x USB 3.2 Gen 1 Ports, 4x USB 2.0 Ports, 2x M.2 Socket











Specifications

Overview:

ROG Crosshair VIII Hero (WI-FI)

AMD X570 ATX gaming motherboard with PCIe 4.0, 16 power stages, OptiMem III, on-board Wi-Fi 6 (802.11ax), 2.5 Gbps LAN, USB 3.2, SATA, M.2 and Aura Sync RGB lighting

- AMD AM4 socket: Ready for AMD Ryzen 5000 Series/ 4000 G-Series/ 3000 Series/ 3000 G-Series/ 2000 Series/ 2000 G-Series desktop processors; also supports up to two M.2 drives and features USB 3.2 Gen 2 and AMD StoreMI to maximize connectivity and speed.

- Comprehensive thermal design: Active chipset heatsink, M.2 aluminum heatsink and ROG Cooling Zone.

- Robust power delivery: Designed power solution with 14+2 IR3555 PowIRstages, ProCool II power connectors, microfine alloy chokes and 10K Japanese-made black metallic capacitors.

- High-performance networking: On-board Wi-Fi 6 (802.11ax) with MU-MIMO support, 2.5 Gbps Ethernet and Gigabit Ethernet, both with ASUS LANGuard protection, and support for GameFirst V software.

- 5-Way Optimization: Automated system-wide tuning, providing overclocking and cooling profiles that are tailor made for your rig.

- DIY Friendly Design: Pre-mounted I/O shield, ASUS SafeSlot, BIOS FlashBack and premium components for maximum endurance.

- Unmatched personalization: ASUS-exclusive Aura Sync RGB lighting, including RGB headers and addressable Gen 2 RGB headers.

- Industry-leading ROG audio: ROG SupremeFX S1220 is combined with the venerable ESS ES9023P to deliver high-fidelity audio to headsets and exotic cans.

Features:

The Crosshair VIII Hero

Featuring support for 3rd Gen AMD Ryzen CPUs, on-board Wi-Fi 6 (802.11ax), Realtek 2.5 Gbps LAN and PCIe 4.0, coupled with an overhauled metallic design and loaded with renowned ROG features, it's the perfect foundation for your AMD Ryzen rig.

SPEC OVERVIEW

1. ROG Patented Pre-Mounted I/O Shield? Clr CMOS button? BIOS FlashBack button

2. Intel Wi-Fi 6 AX200

3. 8 x USB 3.2 Gen 2? 7 x Type-A? 1 x Type-C4 x USB 3.2 Gen 1? 4 x Type-A

4. 2.5G EthernetIntel I211-AT Gb LAN ROG GameFirst VAnti-surge LANGuard

5. Gold-Plated Audio Jacks

6. Multi-GPU SLI /CFX support? 2 x PCIe 4.0 x16 Safeslots (x16, x8/x8) [CPU]? 1 x PCIe 4.0 x16 slot (x4)? 1 x PCIe 4.0 x1 slot

7. SupremeFX S1220 CODEC? ESS ES9023P High Definition DAC? 120dB SNR stereo playback output? 113dB SNR recording input ? Sonic Studio III + Sonic Studio Virtual Mixer? Sonic Radar III? DTS Sound Unbound

BOOSTED PERFORMANCE, NO BOTTLENECKS

ROG Crosshair VIII Hero comes equipped with an optimized power-design layout and all the cooling headers you need to handle the prodigious power of the latest AMD Ryzen processors without performance-zapping thermal throttling.

UNCOMPLICATED SYSTEM TUNING

ROG gives you powerful tools that make optimizing your system fast and easy. For those who relish fine-grained control, the UEFI BIOS has a wealth of advanced options organized into intuitive categories that provide the ability to tweak every aspect of your system.

ULTRAFAST CONNECTION

ROG Crosshair VIII Hero offers advanced connectivity to ensure seamless gaming experiences. With the latest ultrafast networking, including Wi-Fi 6 (802.11ax) and dual Ethernet with one 2.5G port, ROG Crosshair VIII Hero removes all bottlenecks for online and LAN play, minimizing lag and providing an overall smoother experience. Additionally, the M.2 supports AMD StoreMI technology to maximize the speed of your SSD for faster load times, and SupremeFX on-board audio provides superb sound, while saving a PCIe slot.

THE POWER TO PERSONALIZE

ROG provides a range of intuitive software that enables easy control of your advanced gaming hardware and ensures seamless component compatibility. From RGB lighting, networking and audio to storage optimization and more, ROG gives you the power to personalize your system just the way you want.

AMD X570 chipset

The AMD X570 chipset delivers outstanding overclocking capabilities for the latest AMD AM4 socket for 3rd and 2nd Gen AMD Ryzen /2 nd and 1st Gen AMD Ryzen with Radeon Vega Graphics Processors. It is optimized for multiple GPU configurations, including NVIDIA SLI and AMD CrossFireX. It also supports x16 PCI Express 4.0/3.0 lanes and provides 10Gb/s USB 3.2 Gen 2 ports and 6 Gb/s SATA ports for faster data retrieval.

AMD AM4 Socket for 3rd and 2nd Gen AMD Ryzen / 2nd and 1st Gen AMD Ryzen with Radeon Vega Graphics Processors

The high-performance 3rd Gen AMD Ryzen processors are based on the next-gen 7nm Zen architecture and support up to 16 processor cores. AMD AM4-socket processors feature dual-channel DDR4 memory, native 10Gb/s USB 3.2 Gen 2 and x16 PCI Express 4.0/3.0 lanes for superb performance.

Specifications:

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Specifications	
Product Code	ASUS ROG CROSSHAIR VIII HERO WIFI
CPU	AMD AM4 Socket for AMD Ryzen 5000 Series/ 4000 G-Series/ 3000 Series/ 3000 G-Series/ 2000 Series/ 2000 G-Series Desktop Processors
Chipset	AMD X570

Memory	4 x DIMM, Max. 128GB, DDR4 4866(O.C) / 4800(O.C.) / 4600(O.C) / 4400(O.C) / 4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3733(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3200 / 3000 / 2933 / 2800 / 2666 / 2400 / 2133 MHz Un-buffered Memory
	4 x DIMM, Max. 128GB, DDR4 5100(O.C) / 4866(O.C) / 4800(O.C.) / 4600(O.C) / 4400(O.C) / 4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3733(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3200 / 3000 / 2933 / 2800 / 2666 / 2400 / 2133 MHz Un-buffered Memory
	AMD Ryzen 4000 G-Series Processors
	AMD Ryzen 2000 Series Processors
	4 x DIMM, Max. 128GB, DDR4 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3200(O.C.) / 3000(O.C.) / 2933 / 2800 / 2666 / 2400 / 2133 MHz Un-buffered Memory
	4 x DIMM, Max. 128GB, DDR4 3200(O.C.) / 3000(O.C.) / 2933 / 2800 / 2666 / 2400 / 2133 MHz Un-buffered Memory
	Dual Channel Memory Architecture
	ECC Memory (ECC mode) support varies by CPU.
Multi-GPU Support	AMD Ryzen 5000 Series/ 4000 G-Series/ 3000 Series/ 2000 Series Desktop Processors>
	AMD Ryzen 3000 G-Series/ 2000 G-Series Desktop Processors
	Supports NVIDIA 2-Way SLI Technology
	Supports AMD 3-Way CrossFireX Technology
	Supports AMD 2-Way CrossFireX Technology
Expansion Slots	AMD Ryzen 5000 Series/ 3000 Series Desktop Processors
	AMD Ryzen4000 G-Series / 2000 Series Processors
	AMD Ryzen 3000 G-Series / 2000 G-Series Processors
	2 x PCIe 4.0 x16 (x16 or dual x8)
	2 x PCIe 3.0 x16 (x16 or dual x8)
	1 x PCIe 3.0 x16 (x8 mode)
	AMD X570 chipset
	1 x PCIe 4.0 x16
	1 x PCIe 4.0 x1
Storage	AMD Ryzen 4000 G-Series / 3000 G-Series / 2000 Series / 2000 G-Series Processors :
	AMD Ryzen 5000 Series/ 3000 Series Desktop Processors :
	1 x M.2_1 socket 3, with M Key, Type 2242/2260/2280 (PCIE 4.0 x4 and SATA modes) storage devices support
	1 x M.2_1 socket 3, with M key, type 2242/2260/2280 storage devices support (SATA & PCIE 3.0 x 4 mode)
	AMD X570 chipset :
	1 x M.2_2 socket 3, with M Key, Type 2242/2260/2280/22110(PCIE 4.0 x4 and SATA modes) storage devices support
	8 x SATA 6Gb/s port(s)
	Support Raid 0, 1, 10

LAN	Intel I211-AT
	Realtek RTL8125-CG 2.5G LAN
	ASUS LAN Guard
	ROG GameFirst Technology
Wireless Data Network	Supports channel bandwidth: HT20/HT40/HT80/HT160
	Intel Wi-Fi 6 AX200
	2 x 2 Wi-Fi 6 (802.11 a/b/g/n/ac/ax) with MU-MIMO supports dual frequency band 2.4/5GHz
	Up to 2.4Gbps transfer speed
Bluetooth	Bluetooth 5.0
Audio	ROG SupremeFX8-Channel High Definition Audio CODEC
	- Impedance sense for front and rear headphone outputs
	- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking
	- High quality120dBSNR stereo playback outputand113dBSNR recording input
	- SupremeFX Shielding Technology
	- ESS ES9023P
	- Supports up to 32-Bit/192kHz playback
	Audio Feature :
	- Sonic Studio III + Sonic Studio Virtual Mixer
	- DTS Sound Unbound
	- Optical S/PDIF out port(s) at back panel
	- Sonic Radar III
	* Due to limitations in HDA bandwidth, 32-Bit/192kHz is not supported for 8-Channel audio.
USB Ports	AMD Ryzen 5000 Series / 4000 G-Series/ 3000 Series Processors :
	AMD Ryzen 3000 G-Series / 2000 Series / 2000 G-Series Processors :
	4 x USB 3.2 Gen 1 port(s)
	1 x USB 3.2 Gen 2 front panel connector port(s)
	4 x USB 3.2 Gen 2 port(s)
	6 x USB 3.2 Gen 1 port(s)
	AMD X570 chipset :
	4 x USB 2.0 port(s)

ROG Exclusive Features	Extreme Engine Digi+ :
	- IR3555 PoweIRstage
	- MicroFine Alloy Chokes
	- 10K Black Metallic Capacitors
	ROG Extreme OC kit :
	- OptiMem III
	- Safe Boot button
	- Slow Mode
	- LN2 Mode
	Extreme Tweaker
	ROG Patented Pre-mounted I/O Shield
	ROG Exclusive Software
	- RAMCache III
	- RAMDisk
	- CPU-Z
	- GameFirst V

Special Features	- USB BIOS FlashBack
	ASUS Dual Intelligent Processors 5-Way Optimization by Dual Intelligent Processors 5 :
	- 5-Way Optimization tuning key perfectly consolidates TPU, EPU, DIGI+ VRM, Fan Expert 4, and Turbo App
	AURA :
	- Aura Lighting Effects Synchronization with compatible ASUS ROG devices
	ASUS Exclusive Features :
	- AI Suite 3
	- Ai Charger
	- ASUS CrashFree BIOS 3
	- Armoury Crate
	- ASUS NODE: hardware control interface
	- ASUS EZ Flash 3
	- ASUS C.P.R.(CPU Parameter Recall)
	- Clear CMOS Button
	- Reset Button
	- Start Button
	- ReTry button
	ASUS Q-Design :
	- ASUS Q-Code
	- ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED)
	- ASUS Q-Slot
	- ASUS Q-DIMM
	- ASUS Q-Connector
Back I/O Ports	1 x USB BIOS FlashBack Button(s)
	1 x Optical S/PDIF out
	1 x Clear CMOS button(s)
	1 x Anti-surge 2.5G LAN (RJ45) port
	1 x ASUS Wi-Fi Module
	5 x Gold-plated audio jacks
	4 x USB 3.2 Gen 1 (up to 5Gbps) ports
	8 x USB 3.2 Gen 2 (up to 10Gbps) ports ()
	Anti-surge LAN (RJ45) port

Internal I/O Ports	2 x Aura RGB Strip Headers
	2 x Addressable Gen 2 header(s)
	2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)
	1 x M.2 Socket 3 with M key, type 2242/2260/2280 storage devices support
	1 x M.2 Socket 3 with M key, type 2242/2260/2280/22110 storage devices support
	1 x TPM connector(s)
	8 x SATA 6Gb/s connector(s)
	1 x CPU Fan connector(s)
	1 x CPU OPT Fan connector(s)
	3 x Chassis Fan connector(s)
	1 x AIO_PUMP connector
	1 x H_AMP fan connector
	1 x W_PUMP+ connector
	1 x 4-pin EATX 12V Power connector
	1 x 24-pin EATX Power connector(s)
	1 x 8-pin EATX 12V Power connectors
	1 x Front panel audio connector(s) (AAFP)
	1 x Slow Mode switch(es)
	1 x Reset button(s)
	1 x Node Connector(s)
	1 x LN2 Mode jumper(s)
	1 x Safe Boot button
	1 x ReTry button
	1 x System panel connector
	1 x T_Sensor Connector
	1 x W_IN header
	1 x W_OUT header
	1 x W_FLOW header
	1 x Start button
	1 x Speaker connector
	1 x USB 3.2 Gen 2 (up to 10Gbps) connector
	1 x USB 3.2 Gen 1 (up to 5Gbps) connector support additional 2 USB ports

Accessories	User's manual
	4 x SATA 6Gb/s cable(s)
	1 x M.2 Screw Package
	1 x Supporting DVD
	1 x ROG big sticker
	1 x Q-Connector
	1 x Wi-Fi Antenna(s)
	1 x Extension Cable for RGB strips (80 cm)
	1 x Extension cable for Addressable LED
	1 x ROG coaster(s)
	1 x ROG Thank you card
BIOS	256 Mb Flash ROM, UEFI AMI BIOS, PnP, WfM2.0, SM BIOS 3.2, ACPI 6.2
Manageability	WOL, PXE
Operating System	Windows 10 64-bit
Form Factor	ATX Form Factor
	12 inch x 9.6 inch (30.5 cm x 24.4 cm)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/ASUS-ROG-CROSSHAIR-VIII-HERO-WIFI-Asus-ROG-Crosshair-VIII-Hero-Wi-Fi-AMD-Ryzen-5000-p-264669.php

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