

ASUS ROG Crosshair VIII Formula - motherboard - ATX - Socket AM4 - AMD X570



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SKU	90MB10ZO-M0EAY0
Product Description:	ASUS ROG Crosshair VIII Formula - motherboard - ATX - Socket AM4 - AMD X570
Product Type:	Motherboard - ATX
Chipset Type:	AMD X570
Processor Socket:	1 x Socket AM4
Compatible Processors:	Ryzen (supports 2nd and 3rd Generation Ryzen / 1st and 2nd Generation Ryzen with Radeon Vega Graphics)
Max RAM Size:	128 GB
RAM Supported:	4 DIMM slots - DDR4, ECC, unbuffered

General

Product Type:	Motherboard - ATX
Chipset Type:	AMD X570
Processor Socket:	Socket AM4
Max Processors Qty:	1
Compatible Processors:	Ryzen (supports 2nd and 3rd Generation Ryzen / 1st and 2nd Generation Ryzen with Radeon Vega Graphics)

Supported RAM

Max Size:	128 GB
Technology:	DDR4
Bus Clock:	2400 MHz, 2133 MHz, 2800 MHz, 3000 MHz, 2666 MHz, 2933 MHz, 3400 MHz (O.C.), 3466 MHz (O.C.), 3733 MHz (O.C.), 3600 MHz (O.C.), 3866 MHz (O.C.), 4000 MHz (O.C.), 4133 MHz (O.C.), 4400 MHz (O.C.), 4266 MHz (O.C.), 4600 MHz (O.C.), 4800 MHz (O.C.), 3200 MHz

Manufacturer Warranty

Service & Support:	Limited warranty - 3 years
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Miscellaneous

Included Accessories:	External antenna, 1 x M.2 screw, ROG coasters, RGB (RGBW) LED strip extension cable, ROG big sticker, ROG thank you card, RGB Addressable LED extension cable, ROG logo plate sticker, Q-Connector
Cables Included:	2 x Serial ATA cable
Software Included:	Drivers & Utilities, ASUS AI Charger, ROG CPU-Z, ROG Mem TweakIt Utility, ASUS AI Suite III, RAMdisk, ASUS Turbo App, Overwolf, ASUS ROG RAMCache III, ROG GameFirst V

Compliant Standards:	Plug and Play
Width:	30.5 cm
Depth:	24.4 cm

Features

Supported RAM

Supported RAM Integrity Check:	ECC
Registered or Buffered:	Unbuffered
Features:	Dual channel memory architecture

Audio

Type:	HD Audio (8-channel)
Audio Codec:	SupremeFX (S1220A)
Compliant Standards:	High Definition Audio

LAN

Network Controller:	Intel I211-AT / Aquantia AQC111C
Network Interfaces:	Bluetooth, Gigabit Ethernet, 802.11a/b/g/n/ac, 5 Gigabit Ethernet

Expansion / Connectivity

Expansion Slots:	1 x CPU ; 4 x DIMM 288-pin ; 2 x PCIe 4.0 x16 (PCIe 4.0 x16/x0, x8/x8 modes (with 3rd Generation Ryzen CPU); PCIe 3.0 x16/x0, x8/x8 modes (with 2nd Generation Ryzen CPU); PCIe 3.0 x8/x0 mode (with Ryzen CPU with Radeon Vega Graphics / 2nd Generation Ryzen CPU with Radeon Graphics)) ; 1 x PCIe 4.0 x16 (x4 mode) ; 1 x PCIe 4.0 x1
Storage Interfaces:	SATA-600 -connectors: 8 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 ; SATA-600 / PCIe 4.0 -connectors: 2 x M.2
Interfaces:	1 x LAN (Gigabit Ethernet) ; 1 x audio line-in - mini-jack ; 1 x audio line-out - mini-jack ; 1 x microphone - mini-jack ; 1 x TOSLINK ; 4 x USB 3.2 Gen 1 ; 7 x USB 3.2 Gen 2 ; 1 x audio line-out (center/subwoofer) - mini-jack ; 1 x audio line-out (rear) - mini-jack ; 1 x LAN (5Gigabit Ethernet) ; 1 x USB-C Gen2
Internal Interfaces:	4 x USB 2.0 - header ; 1 x USB 3.2 Gen 2 - header ; 4 x USB 3.2 Gen 1 - header ; 1 x audio - header ; 1 x speaker - header
Power Connectors:	4-pin ATX12V connector, 24-pin main power connector, 8-pin ATX12V connector

Features

BIOS Type:	AMI
BIOS Features:	WfM 2.0 support, USB BIOS Flashback, UEFI BIOS, SMBIOS 3.2 support, ACPI 6.2 support
Sleep / Wake Up:	Wake on LAN (WOL)
Hardware Features:	Jack retasking, ASUS Q-Design, ESD Guards, Q-DIMM, Q-LED, ASUS Extreme Engine Digi+, CrashFree BIOS 3, ASUS Q-Connector, ASUS EPU (Energy Processing Unit), NVIDIA 3-way SLI Technology Support, ASUS TPU (TurboV Processing Unit), ASUS DIGI+ VRM, ASUS ROG Extreme OC, AMD CrossFireX technology support, AMD 3-way CrossFireX technology support, Onboard Button, ASUS Enhanced DRAM Overcurrent Protection, Preboot eXecution Environment (PXE), Clear CMOS Button, Dual Intelligent Processors 5, LANGuard, ROG SSD Secure Erase, ASUS Gamer's Guardian, AURA RGB Lighting Control, ASUS Fan Xpert 4, ASUS SafeSlot, Sonic Radar III, Sonic Studio III, ASUS LiveDash, pre-mounted I/O shield, Sonic Studio Link, Armoury Crate, ESS ES9023P, ROG RGB Armor, Crosschill EK III, ASUS Node, MicroFine Alloy Chokes, PowIRstage IR3555 MOSFETs, GameFirst V, Tweakers' Paradise

