ComX Computers
Product Specification Sheet

X470 GAMING PLUS MAX

MSI X470 Gaming Plus Maximum AMD Ryzen 3rd Gen Socket AM4 ATX Motherboard

Product Overview

MSI x470 Gaming Plus Maximum AMD Ryzen 3rd Gen Socket AM4 ATX Motherboard, AMD x470 Chipset, 4 DIMM slots, 128GB Maximum Memory, 2x PCI-e x 16, PCI-e GEN3, 3x PCI-e x1, 6 x SATA 6Gb/s ports, 2x M.2 slot, RAID, 1x Realtek 8111H Gigabit LAN controller, USB 3.2 ports, USB 2.0 ports, Serial ports, Parallel Port, Audio ports, DVI-D, HDMI, Crossfire, 7.1-channel high definition audio











Specifications

Overview:

Satisfying gamers with what they really need, X470 GAMING PLUS MAX is equipped with Core boost, Turbo M.2, Audio Boost, USB 3.2 Gen2

- Supports 1st, 2nd and 3rd Gen AMD Ryzen / Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics / Athlon with Radeon Vega Graphics Desktop Processors for Socket AM4
- Supports DDR4 Memory, up to 4133(OC) MHz
- Lightning Fast Game experience: TURBO M.2, AMD StoreMI Technology, AMD Turbo USB 3.2 Gen2
- Core Boost: With premium layout and optimized power design to support more cores and provide better performance.
- Mystic Light and Mystic Light Sync: 7 colors / 7 effects in one click. Synchronize other RGB solutions for customization.
- Audio Boost: Reward your ears with studio grade sound quality for the most immersive gaming experience
- MULTI-GPU: With STEEL ARMOR PCI-E slots. Supports 3-Way AMD Crossfire

Features:

DIY FRIENDLY

MSI motherboards feature tons of convenient and smart design, such as convenient pin-header keep out zone, friendly SATA & USB location and so on, so DIY users can pick and choose any gaming rig they want.

Cooling

Cooling your PC is essential for reliable performance. MSI motherboards feature excellent power design with solid and heavy heatsink. We've made sure to include enough fan headers with full control to allow you to cool your system any way you want.

HARDWARE

MSI motherboards feature tons of convenient and smart design for DIY users, countless system tuning and troubleshooting tools are at your disposal to push your system to new heights and satisfy even the most demanding tweaker. Makes it so easy to install your own motherboard and gaming rig without any issue.

COMPATIBILITY

MSI motherboards are designed with both physical and device compatibility in mind. Pin-headers, SATA, and USB connectors are positioned away from other components and devices. A comprehensive DDR memory Qualified Vendor List (QVL), the result of extensive memory testing and tuning, makes it easier to pick from compatible products.

BIOS AND SOFTWARE

Complete your high performance experience with an array of performance enhancing software from MSI. From a loaded yet easy to use BIOS to potent live system tools, get the most out of your motherboard at any moment.

ENHANCED PERFORMANCE

MSI motherboards feature all the latest solution for enthusiast gamers and prosumers. CPU and memory enhancement and fast storage and USB transfer speed are ready to be on the battlefield.

CPU

High-quality power supply components and intelligent fans optimize CPU cooling performance, which is a key factor in ensuring stable and high-speed operation of the system.

MEMORY

Optimized layout design and a fully isolated memory circuitry ensures perfect stability and performance. You never have to worry about your system crashing during games with MSI DDR4 BOOST.

Storage

MSI motherboards support all the latest storage standards, which allows users to connect any ultra-fast storage device. Start games faster, load levels faster and have a real advantage over your enemies.

USB

Read and write your files over USB faster than ever. MSI offers a wide variety of options to connect and boost your USB devices, delivering lightning-fast transfer speeds up to 10Gb/s

IN-GAME ADVANTAGE

MSI motherboards are built with enhanced audio and advanced LAN networking capabilities that turn any gaming experience into an immerse one.

Audio

Deliver the highest sound quality through the use of premium quality audio components and get the most immersive sound experience when gaming. MSI motherboards let you enjoy breathtaking, gaming-changing sound.

EXHILARATING AND INSPIRING

Each MSI motherboard is built based on the specific topic in order to match different tastes and favors. Furthermore, MSI also adopts the modern style to design the heatsink through huge surface and sleek but simple cuts in order to make the heatsink and appearance looks ripped and powerful. Combined with neutral color, such as black, grey and silver, as the main background, MSI motherboard can perfect fit different RGB LED effects and strongly shows the gamers tunes.

Industrial Design

Satisfying gamers with what they really need, MPG GAMING PLUS is equipped with all the crucial gaming weapons. A legacy spirits comes back to life with lightning fast performance enabled by an optimized design and high quality components. Red GAMING DNA lives on!

LOYAL COMRADE

With years of experience, MSI is no stranger to building high-performance motherboards. Our R&D and engineering teams have reviewed countless designs, evaluated a wide selection of high quality components, and developed products for reliability even under extreme conditions.

Components

Using only the finest quality components and integrating the latest technological innovations delivers the best possible professional experience. Rigorous quality testing under the most extreme conditions ensures a super reliable, long-lasting and high performance motherboard.

Specifications:

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Specifications	
Product Code	X470 GAMING PLUS MAX
Quick Spec	
Socket	AM4
CPU (Max Support)	RYZEN 9

Chipset	AMD X470 Chipset
DDR4 Memory	1866/ 2133/ 2400/ 2667 Mhz by JEDEC
	2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466 Mhz by A-XMP OC MODE
	For AMD Other CPU
	2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466/ 3600/ 3733/ 3866/ 4000/ 4133 Mhz by A-XMP OC MODE
	For AMD Ryzen Gen3 (R5/R7/R9)
Memory Channel	Dual
DIMM Slots	4
Max Memory (GB)	128
PCI-E x16	2
PCI-E Gen	Gen3(PCIE_1, PCIE_4), Gen2(PCIE_6)
PCI-E x1	3
SATAIII	6
M.2 Slot	2
RAID	0/1/10
TPM (header)	1
LAN	1x Realtek 8111H Gigabit LAN controller
USB 3.2 ports (Front)	4(Gen2, Type A)
USB 3.2 ports (Rear)	2(Gen2, Type A), 4(Gen1, Type A)
USB 2.0 ports (Front)	4
USB 2.0 ports (Rear)	2
Serial ports(Front)	1
Parallel Port(Front)	1
Audio ports (Rear)	Realtek ALC892 Codec
DVI-D	1
HDMI	1
DirectX	12
Form Factor	ATX
CrossFire	Y
Operating System	Support for Windows 10 64-bit
Detailed Spec	
Processor	Supports 1st, 2nd and 3rd Gen AMD Ryzen / Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics/ Athlon with Radeon Vega Graphics Desktop Processors for Socket AM4
Chipset	AMD X470 Chipset

Memory	4 x DDR4 memory slots, support up to 128GB *ComboPI 1.0.0.3-based and above BIOS are required.
	Supports DDR4 1866/ 2133/ 2400/ 2667 Mhz by JEDEC
	For AMD Ryzen Gen3 (R5/R7/R9)
	Supports2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466/ 3733/ 3866/ 4000/ 4133 Mhz by A-XMP OC MODE
	For AMD Other CPU
	Supports2667/ 2800/ 2933/ 3000/ 3066/ 3200/ 3466 Mhz by A-XMP OC MODE
	Dual channel memory architecture
	Supports non-ECC UDIMM memory
	Support ECC UDIMM memory (Non-ECC MODE)
	1. Athlon with Radeon Vega Graphics processors support up to 2400 MHz. And the supporting frequency of memory varies with installed processor.
Slots	2 x PCIe 3.0 x16 slots (PCIE_1, PCIE_4)
	1st, 2nd and 3rd Gen AMD Ryzen Processors support x16/x0, x8/x8 mode
	Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics Processors support x8/ x0 mode
	Athlon with Radeon Vega Graphics Processors support x4/x0 mode
	1 x PCIe 2.0 x16 slot (PCIE_6, supports x4 mode)
	3 x PCIe 2.0 x1 slots
	1. PCI_E6 slot will be unavailable when installing M.2 PCIe SSD in M2_2 slot.
Onboard Graphics	1 x DVI-D port, supports a maximum resolution of 1920x1200@60Hz
	1 x HDMI port 1.4, supports a maximum resolution of 4096x2160@30Hz
	1. Only support when using Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics/ Athlon with Radeon Vega Graphics Processors
	2. Maximum shared memory of 2048 MB
	*No Display support when using the Processor model with suffix "F"
Multi-GPU	1st, 2nd and 3rd Gen AMD Ryzen Processors
	Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics/ Athlon with Radeon Vega Graphics Processors

Storage	AMD X470 Chipset
	6 x SATA 6Gb/s ports
	2 x M.2 slot (Key M)
	M2_1 slot (from AMD processor) supports PCIe 3.0x4 (1st, 2nd and 3rd Gen AMD Ryzen / Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics Processors) or PCIe 3.0x2 (Athlon with Radeon Vega Graphics Processors) 2242/ 2260 /2280/ 22110 storage devices
	M2_2 slot (from AMD X470 Chipset) supports PCIe 2.0 x4 and SATA 6Gb/s 2242/ 2260 /2280 storage devices
	1. SATA1 port will be unavailable when installing SATA M.2 SSD in M2_2 slot.
	2. PCI_E6 slot will be unavailable when installing PCIe M.2 SSD in M2_2 slot.
RAID	AMD X470 Chipset
	Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices
USB	ASMedia ASM1143 Chipset
	2 x USB 3.2 Gen2 (SuperSpeed USB 10Gbps) Type-A ports on the back panel
	AMD X470 Chipset
	4 x USB 3.2 Gen1 (SuperSpeed USB) ports through the internal USB connectors
	6 x USB 2.0 (High-speed USB) ports (2 Type-A ports on the back panel, 4 ports available through the internal USB connectors)
	AMD CPU
	4 x USB 3.2 Gen1 (SuperSpeed USB) Type-A ports on the back panel
Audio	Realtek ALC892 Codec
	7.1-Channel High Definition Audio
	Supports S/PDIF output
LAN	1 x Realtek 8111H Gigabit LAN controller

Internal connectors	1 x 24-pin ATX main power connector
	1 x 8-pin ATX 12V power connector
	1 x 4-pin ATX 12V power connector
	6 x SATA 6Gb/s connectors
	2 x USB 2.0 connectors (support additional 4 USB 2.0 ports)
	2 x USB 3.2 Gen1 connectors (support additional 4 USB 3.2 Gen1 ports)
	1 x 4-pin CPU fan connector
	1 x 4-pin PUMP fan connector (supports up to 2A)
	4 x 4-pin system fan connectors
	1 x Serial port connector
	1 x Parallel port connector
	2 x 5050 RGB LED strip 12V connectors
	1 x TPM module connector
	1 x Front panel audio connector
	2 x System panel connectors
	1 x Chassis Intrusion connector
	1 x Clear CMOS jumper
	1 x Clear CMOS button
BACK PANEL PORTS	1. PS/2 Combo Port
	2. USB 3.2 Gen1
	3. LAN Port
	4. HD Audio Connectors
	5. USB 2.0 Ports
	6. DVI-D Port
	7. HDMI Port
	8. USB 3.2 Gen1
	9. USB 3.2 Gen2
	10. Optical S/PDIF OUT
Dimensions	12 in. x 9.6 in. (30.5 cm x 24.4 cm)
	ATX Form Factor
Mounting	9 mounting holes
Operating System	Support for Windows 10 64-bit

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/X470-GAMING-PLUS-MAX-MSI-X470-Gaming-Plus-Maximum-AMD-Ryzen-3rd-Gen-Socket-AM4-ATX-p-245935.php

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