# PRESTIGE X570 CREATION

MSI Prestige X570 Creation AMD X570 Chipset AMD Ryzen AM4 socket E-ATX Motherboard

## Product Overview

MSI Prestige X570 Creation AMD X570 Chipset AMD Ryzen AM4 socket E-ATX Motherboard, 4x DDR4 memory slots, support up to 128GB, 3rd Gen AMD Ryzen™ Processors support DDR4 1866/ 2133/ 2400/ 2667/ 2800/ 2933/ 3000/ 3066/ 3200 Mhz by JEDEC, and 2667/ 2800 /2933 /3000 /3066 /3200 /3466 /3600/ 3733 /3866 /4000 /4133 /4266 /4400 /4533 /4600 /4733 /4800 /5000+ Mhz by A-XMP OC MODE, 2nd Gen AMD Ryzen™ Processors, 1st and 2nd Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors support DDR4 1866/ 2133/ 2400/ 2667/ 2800/ 2933/ 3000/ 3066/ 3200 Mhz by JEDEC, and 2667 /2800 / 2933 /3000 /3066 /3200 /3466 /3600 Mhz by A-XMP OC MODE, 1x 24-pin ATX main power connector, 2x 8-pin ATX 12V power connectors, 6x SATA 6Gb/s connectors, 2x M.2 slots (M-Key), 1x USB 3.2 Gen2 Type-C port, 2x USB 3.2 Gen1 connectors (supports additional 4 USB 3.2 Gen1 ports), 2x USB 2.0 connectors (supports additional 4 USB 2.0 ports), 1x 4-pin CPU fan connector, 1x 4-pin Water Pump connector, 7x 4-pin system fan connectors, 1x Front panel audio connector, 1x Front panel audio connector, 1x Chassis Intrusion connector, 1x TPM module connector, 2x 2-pin Thermal Sensors connectors, 1x 4-pin RGB LED connector, 2x 3-pin RAINBOW LED connectors, 1x 3-pin CORSAIR LED connector, PS/2 Combo Port, Intel Wi-Fi 6, LAN Port, 10G LAN Port, HD Audio Connectors, Clear CMOS Button, 2 x USB 2.0 Ports, 11 x USB 3.2 Gen1 Ports Type-A, USB 3.2 Gen2 Type-C, Optical S/PDIF OUT, E-ATX Form Factor, 30.5 cm x 27.2 cm




## Specifications

**Features:**

**DIY FRIENDLY**
MSI motherboards been designed with tons of smart features for convenient setup and usage, such as pin-header keep out zone, friendly SATA & USB location and multiple cooling solutions, so DIY users can pick and choose any gaming rig they want.

**STAY COOL AND SUSTAIN PERFORMANCE**
Cooling is essential for a high performance PC to sustain intense workloads.PRESTIGE X570 CREATION features a heavy duty heatsink on the MOSFETs for reliable processor power delivery. Numerous fan headers with full fan speed control lets builders tune their system cooling the way they like it.

**OUTSTANDING TEMPERATURE MANAGEMENT**
Set up a cool and quiet system with multiple fan headers. Tune them manually or let the thermal sensors help with automatic control of your system fans.

**FAN AUTODETECT DC OR PWM MODE**

MSI fan headers can automatically detect if a fan needs to run in DC or PWM mode, streamlining the fan tuning experience.

**NATTIER WAY ON COOLING CONTROL**
MSI FROZR Heatsink design combines the power of MSI's exclusive ZERO FROZR and AI tuning technology to auto-adjust fan speed according to the chipset's temperature. You can also select three different modes (Boost/Balance/Silence) depending on your preferences via Dragon center or MSI UEFI BIOS and enjoy the best performance without compromise.

**THE PERFECT FAN LOCATION**
MSI X570 motherboards provide the ultimate cooling solution for the enthusiast, the Frozr Heatsink design not only provides maximum airflow, but also maintain the perfect fan location even installed the heavy graphics card, keep your system runs cool without any overheating issue.

**LARGER HEATSINK FOR MORE COOLING**
Heatsinks on top of the power delivery circuits help to dissipate excessive heat. Extended heatsinks have even more surface area for more thermal dissipation.

**OPTIMIZED FOR WATER COOLING**
A dedicated water pump PIN header provides up to 2A current and can control pump speed. Supports the most popular All-In-One and custom water cooling solutions on the market.

**TROUBLESHOOTING FRIENDLY DESIGN**
MSI motherboards been designed to make the system assembly process as convenient as possible. An array of system tuning features and troubleshooting tools are available to ease installation and setup.

**PRE-INSTALLED I/O SHIELDING**
Pre-Installed IO Shielding makes handling the motherboard process easier and safer. The patent-pending design grounded and protects the IO ports from potential electrostatic discharge damage from the external environment.

**KEEP OUT ZONE**
Circuits have been routed away from the case standoff keep out zones to minimize the damage impacts of misplaced mounting pieces.

**XL CLIP**
An enlarged PCI-E clip makes it easier to remove and swap your PCI devices.

**EZ DEBUG LED**
Run into trouble? Onboard LEDs for key components indicate the source of the problem so you know exactly where to look to get up and running again.

**Maximum Compatibility**
Every MSI motherboards are certified by strict mechanic that feature convenient pin-header keep out zone, friendly SATA & USB location for compatibility with the widest range of components and devices, so DIY user can pick and choose the components they want. More than that, we offer a dedicated Qualified Vendor List (QVL) for the most critical part - memory. Combining with MSI DDR4 Boost technology, we provide the maximum compatibility even over clocking, so you confirm and choose any gaming rig as you want.

**RYZEN PROCESSOR SUPPORT**
MSI X570 motherboards support latest generation RYZEN processors from AMD with updated features and capabilities. Ascend to new heights with a platform built for both creators and gamers.

**LIGHTNING GEN 4 PCI-E**
MSI lightning Gen 4 PCI-E is the latest and the fastest PCI-E data transfer solution with 64GB/s of unidirectional transfer

bandwidth that has doubled compared to its previous generation. PCIe 4.0 maintains both backward and forward compatibility with older and newer specifications. Optimized by steel armor design and server grade PCB, you can enjoy next-gen devices without any compromise.

**MEMORY COMPATIBILITY & TESTING**
Get stability out of MSI's extensive and aggressive memory testing and optimization. Working alongside partnered brands like Corsair, Crucial, Kingston, G.SKILL, and many more, MSI has worked hard to get the most out as many memory configurations as possible

**RESIZABLE BAR (RE-SIZE BAR)**
Resizable BAR (Re-Size BAR) is an advanced PCI Express feature that enables the CPU to access the entire GPU frame buffer at once and improve performance.

**APPS TO GREATLY IMPROVE EFFICIENCY**
With years of experience in creating performance enhancing tools that are easy to use, only the highest quality applications are at your disposal. Use these tools to get the most out of your motherboard. Moreover, we made sure our BIOS contains all the latest options and is easy to use for everyone. The extensive features let you fine-tune your system to deliver reliable maximum performance.

**MSI CENTER**
MSI brand new MSI Center unifies a suite of MSI software utilities into a single centralized application. Take control of advanced motherboards features and unleash endless possibilities.

**True Color**
Optimized monitor's brightness and color in several modes for different situation, you can also customize by yourself.

**Live Update**
Never miss out on important updates. MSI Live Update automatically downloads and installs the latest drivers, BIOS and software so you can focus on your work.

**User Scenario**
One click for setting your computer, even customize own profile as your preference.

**Hardware Monitor**
Get immediate access to your critical hardware information in real-time.

**OC Setting**
Tune select motherboard settings in the OC Setting menu, where options to boost core performance and optimize system cooling are presented in an intuitive interface.

**Total Fan Control**
Assume complete control of your fans with Total Fan Control. Set up to four CPU temperature targets and the motherboard will adjust fan speeds automatically.

**Mystic Light**
Create your own colorful masterpiece with ease. Splash any color you want with just a few clicks!

**CLICK BIOS 5**
Get more from a loaded BIOS designed for ease of use. Fine-tune the motherboard for gaming performance, efficiency, or overclocking world records!

**GAME BOOST**

Quickly overclock your CPU with a single button for more performance.

**A-XMP**
Choose from a preset A-XMP profile and automatically overclock compatible DDR memory.

**M-FLASH**
Conveniently flash or upgrade the BIOS in a few minutes from the CMOS Setup Utility.

**HARDWARE MONITOR**
Get immediate access to your critical hardware information in real-time including temperature, memory capacity, clock speed, and voltage.

**TOTAL FAN CONTROL**
Monitor and manage fan speeds for system and CPU fans.

**SECURE ERASE+**
Wipe an SSD with an optimized formatting algorithm and enjoy an SSD with maxed free space!

**MEMORY TRY IT**
Get extreme speed out of your system memory and get more performance.

**M.2 Genie**
Quickly and easily set up a RAID 0 array for M.2 and U.2 SSDs with this automated utility.

**SEARCH & FAVORITES**
A permanent search & favorite option in the top right corner moves you through the BIOS menus quickly.

**ENHANCED PERFORMANCE**
High performance MSI motherboards are loaded with advanced features and the latest technology to overwhelm any challenge at hand no matter whether you're a gamer, prosumer, or PC enthusiast.

**HIGH POWER EFFICIENCY**
Power on your RYZEN processor with optimized circuit layouts and high quality power delivery parts for an incredibly stable operation.

**CORE BOOST**
Core Boost is the latest advancement of MSI's motherboard CPU power delivery system. A reserved zone of premium power delivery components on an optimized circuit design results in a highly efficient power system capable of precise current output to the CPU.

**LOAD-LINE CALIBRATION**
What you set, is what you get! LLC options let you stabilize CPU voltage under any load.

**OVERVOLTAGE PROTECTION**
Mechanisms prevent potential short-circuit damage to the CPU and other critical components.

**DIGITAL POWER DESIGN**
A fully digital electrical power design allows for pin-point precise and undistorted current delivery to the CPU.

**Double Power Connectors**
Two 8-pin connectors deliver adequate power even for an overclocked multi-core CPU.

**UNMATCHED MEMORY PERFORMANCE**
MSI takes memory stability and performance to the extreme. We've designed an optimized memory circuit design for reliability and tested compatibility extensively in partnership with major memory manufacturers.

**GREAT ADVANCES IN DDR PERFORMANCE**
MSI OC LAB is not just working hard on extreme overclocking. Compared to the X470 motherboard memory support, MSI does have significant improvements in performance and efficiency.

**HIGHER MEMORY SPEED: DDR4 BOOST 2**
In addition to optimized PCB design, MSI OC Labs has partnered with world-renowned memory brands to push memory speed to the top. The MSI X570 motherboard will steadily release these selected memory capabilities.

**DRAGON ALLIANCE**
These selected DDR modules have passed important tests and are very compatible with the MSI X570 motherboard.

**EASILY OVERCLOCK WITH A-XMP PROFILES**
Select the default A-XMP profile in CLICK BIOS 5 and automatically overclock compatible DDR memory. These settings have been tested and certified by MSI OC Laboratories to ensure speed and stability.

**Fast and Future-ready Storage**
Connect any ultra-fast storage device and get into the game sooner.

**M.2 XPANDER-Z GEN 4**
Add more high-speed SSDs with the included M.2 XPANDER-Z GEN 4 add-in card.

**LIGHTNING GEN 4 M.2**
Utilizing 3rd Gen Ryzen processors, MSI X570 motherboards feature latest Lightning Gen 4 M.2 which is the fastest onboard storage solution on the market with up to 64 Gb/s transfer speed.

**BOOST YOUR STORAGE PERFORMANCE**
Enabling the Storage Boost tool will automatically check and optimize SSDs, keeping them fast with maximized storage performance.

**EASY RAID SETUP WITH M.2 GENIE**
The M.2 Genie utility takes the work out of setting up M.2 SSDs in a RAID 0 array. Drive your data transfer to extreme speeds without the challenge of a tricky setup and configuration.

**MAXIMIZE YOUR USB DEVICE PERFORMANCE**
Plug in and start moving files lightning fast with high-speed USB, supported by all the latest connectors and boost tools.

**PLENTY OF USB**
Connect your professional equipment to PRESTIGE X570 CREATION with support for up to 23 individual USB ports including Type-C.

**MORE STABILITY WITH AMD TURBO USB 3.2 GEN2**
The latest USB standards and protocols are supported including USB 3.2 GEN2.

**TYPE-C REVERSIBLE CONNECTOR INCLUDED**
Reversible USB Type-C devices and cables are supported.

**IN-GAME ADVANTAGE**
MSI motherboards are built with enhanced audio and advanced LAN networking capabilities that turn any gaming experience

into an immerse one.

**DOMINATE THE GAME WITH THE LOWEST LATENCY**
Get ready to crush your enemies on the battlefield with MSI GAMING LAN. Built with high quality components, MSI GAMING LAN is tuned to deliver the best online gaming experience without lag.

**SURFACING WITH THE REAL MU-MIMO TECHNOLOGY**
The WIFI 6 adopts the latest OFDMA and two-way MU-MIMO technologies and could provide up to 4X network capacity and efficiency in the high signal density environment. Comparing to the WIFI 5, which can only send the data packet to one device at a time on each channel, the WIFI 6 could combine the packet, separate to several devices and allow signals from the different devices bundled together. This new technology provides all the devices in the same network environment with same and harmonious traffic bandwidth in an efficient way.

**10G Super LAN Solution**
Onboard 10G Super LAN supports high-bandwidth, high-density and low-latency networks. It is the best solution for demanding creators, designers and power users to transfer the 4K videos, the huge size pictures and other large files in a fraction of the time.

**LOW LATENCY LAN POWERED BY INTEL®**
This model comes equipped with a premium network solution from Intel®. The high quality Gigabit LAN networking component is optimized for professional and multimedia use with outstanding performance to deliver a secure, stable and fast network connection.

**SOUND THAT PULLS YOU INTO THE GAME**
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.

**ISOLATED AUDIO DESIGN**
Like a dedicated sound card, audio components and circuits have been laid on a reserved motherboard section and electrically isolated.

**SEPARATED AUDIO LAYERS FOR CLEAN LEFT & RIGHT CHANNELS**
Audio circuits laid on separate layers in the PCB ensure equally pristine sounding audio for both left and right audio channels.

**ALL NEW NAHIMIC 3 - FOR NEXT LEVEL AUDIO IMMERSION**
Immerse yourself with Nahimic 3 and enhance any audio playback into unreal experiences. Infuse your choice of enhancements including 3D surround sound and tune audio settings through a simple and intuitive new menu interface.

**Get clearer order with VOICE BOOST**
Hear your teammates perfectly with Voice Boost enabled. Game audio is automatically reduced when teammates speak and set back to normal when no one is speaking.

**DE-POP PROTECTION**
A de-pop filter eliminates loud popping noises that occur when devices are plugged/unplugged or when the PC is turned on/off.

**DEDICATED HEADPHONE AMPLIFIER THAT AUTO-DETECTS IMPEDANCE**
A dedicated headphone can drive audiophile headphones up to 600ohm impedance, delivering studio-grade sound quality from your gaming PC. Audio Boost 4 automatically detects the optimal impedance and adjusts the output for the best sound quality.

**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.

**CREATE YOUR MASTERPIECE**
PRESTIGE series motherboards have been crafted for demanding creatives and professionals to realize any vision. Creators seeking perfection will find the tailor-made CREATION motherboard a masterpiece in itself.

**Mystic Light**
Illuminate with MSI Mystic Light and bring the motherboard RGB lighting to life. Choose from millions of colors and sync across compatible devices.

**MYSTIC LIGHT ON MOTHERBOARD**
Splash on some color and vibrant RGB lighting effects using MSI Mystic Light.

**MYSTIC LIGHT EXTENSION**
Extend vibrant RGB effects from the motherboard to attached compatible RGB lighting including LED strips.

**JRGB**
The JRGB pin header provides the max 3A(12V) power supply for the up to 3 meters 5050 RGB LED strips showing single color.

**MYSTIC LIGHT SYNC**
Control compatible RGB peripherals with the Mystic Light application. An open source SDK is available for developers to integrate Mystic Light with RGB devices.

**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.

**BUILT ON EVERLASTING QUALITY**
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.

**SHIELD YOUR MEMORY SIGNAL WITH STEEL ARMOR**
Steel Armor protects the most vulnerable point of memory transmission by shielding it from electromagnetic interference (EMI) and reinforcing the DIMM slots from twisting and bending.

**FORTIFY YOUR SYSTEM WITH PCI-E STEEL ARMOR**
MSI PCI Express Steel Armor slots are secured to the motherboard with extra solder points and support the weight of heavy graphics cards. When every advantage in games counts, Steel Armor shields the point of contact from electromagnetic interference.

**ULTIMATE MOTHERBOARD PROTECTION**
Double ESD protection doubles up the grounding layer around the mounting holes, preventing static discharge surges from damaging the motherboard.

**SUPER STABLE GAMING WITH THE HIGHEST QUALITY COMPONENTS**
MSI uses high quality components rated for reliable operation even under extreme conditions.

**TITANIUM CHOKE II**
Ti choke II has 30% improved power delivery efficiency compared to its predecessor, allowing for improved overclocking stability

**DRMOS**
DrMOS is a next-gen 3-in-1 Mosfet package capable of delivering more power at precise timings with fewer components.

**HI-C CAP**
Hi-C CAP is a small, but super-efficient capacitor with 93% energy efficiency. The short height lets them be located close to the CPU socket without blocking large coolers.

**SOLID CAP**
Japanese made Solid CAPs are built for high-reliability motherboards with their aluminum core design. These capacitors have low Equivalent Series Resistance (ESR) and are rated to work for more than 10-years.

**WINDOWS 10 CERTIFIED**
With MSI you benefit from great compatibility and a worry-free user experience when using Microsoft Windows 10. MSI X570 motherboards are Microsoft Windows 10 certified. Enjoy compatibility with the latest version of Windows on MSI motherboards.

**Specifications:**

| | |
|---|---|
| **CPU (Max Support)** | RYZEN 9 |
| **Socket** | AM4 |
| **Chipset** | AMD X570 Chipset |
| **DDR4 Memory** | 1866/ 2133/ 2400/ 2667/ 2800/2933 /3000 /3066 /3200 /3466 /3600 /3733 /3866 /4000 /4133 /4266 /4400 /4533 /4600 /4733 /4800 /5000+ Mhz by JEDEC and A-XMP OC MODE |
| **Memory Channel** | Dual |
| **DIMM Slots** | 4 |
| **Max Memory (GB)** | 128 |
| **PCI-E x16** | 3 |
| **PCI-E x1** | 4 |
| **SATAIII** | 6 |
| **M.2 Slot** | 2 |
| **RAID** | 0/1/10 |
| **TPM (header)** | 1 |
| **LAN** | 1x Intel I211AT Gigabit LAN controller |
| | 1x Aquantia AQC107 10-Gigabit LAN controller |
| **USB 3.2 ports (Front)** | 1(Gen2, Type C), 4(Gen1, Type A) |
| **USB 3.2 ports (Rear)** | 10(Gen1, Type A), 1(Gen2, Type C), 1(Gen2, Type A) |
| **USB 2.0 ports (Front)** | 4 |
| **USB 2.0 ports (Rear)** | 2 |
| **Audio ports (Rear)** | 5+ Optical S/PDIF (Realtek ALC1220 Codec) |
| **DirectX** | 12 |

| | |
|---|---|
| **Form Factor** | E-ATX |
| **SLI** | Y |
| **CrossFire** | Y |
| **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/PRESTIGE-X570-CREATION-MSI-Prestige-X570-Creation-AMD-X570-Chipset-AMD-Ryzen-AM4-p-263995.php**

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