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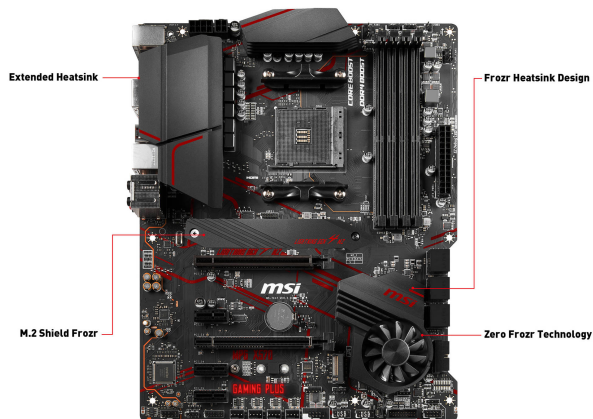Watch Our YouTube

MSI MPG X570 GAMING PLUS AM4 ATX Motherboard X570GAMINGPLUS
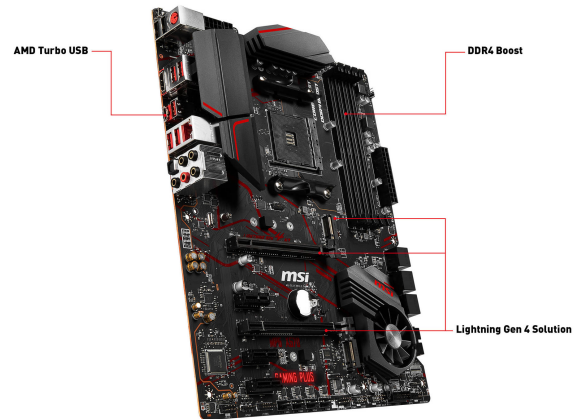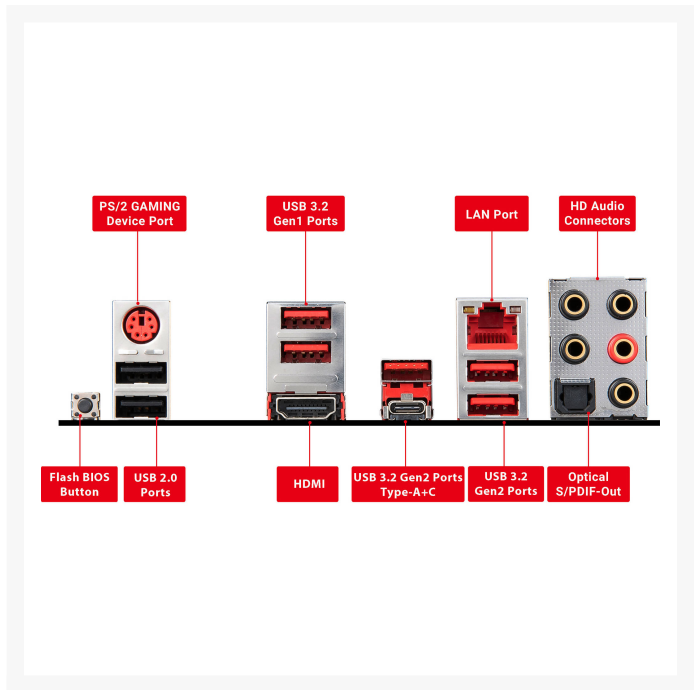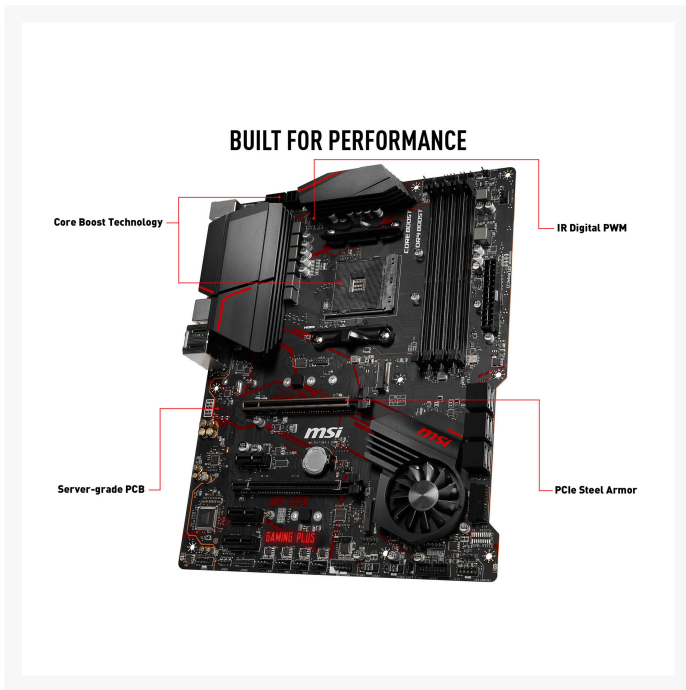
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Product Images

MSI Case Badge

Product Registration Card

MSI Product Catalog

Case Screw Guide

Shout out DM

M.2 Shied Frozr accessory

Driver DVD

2 x SATA Cables

I/O Shielding

Quick Installation Guide

User Manual

BOOSTED THERMAL DESIGN

Extended Heatsink

Frozr Heatsink Design

M.2 Shield Frozr

Zero Frozr Technology

BLAZING FAST DATA TRANSFER

AMD Turbo USB

DDR4 Boost

Lightning Gen 4 Solution

BUILT FOR PERFORMANCE

Core Boost Technology

IR Digital PWM

Server-grade PCB

PCIe Steel Armor

PS/2 GAMING Device Port

USB 3.2 Gen1 Ports

LAN Port

HD Audio Connectors

Flash BIOS Button

USB 2.0 Ports

HDMI

USB 3.2 Gen2 Ports Type-A+C

USB 3.2 Gen2 Ports

Optical S/PDIF-Out

MYSTIC LIGHT

Short Description

The MSI MPG X570 GAMING PLUS AM4 ATX Motherboard is built on the AMD X570 chipset, supporting second- and third-generation AMD Ryzen processors with an AM4 socket. It has four memory slots for up to 128GB of dual-channel DDR4 RAM, which can be overclocked to up to 4400 MHz. For storage, it's equipped with six SATA III ports and two M.2 slots.

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RED GAMING DNA

CUSTOMIZE YOUR GAMING RIG

LIGHTNING GEN 4 SOLUTION

FROZR HEATSINK DESIGN

SMART COOLING

CORE BOOST

8+4 POWER CONNECTORS

DESIGNED FOR UNLIMITED PERFORMANCE

LARGER HEATSINKS FOR MORE VRM COOLING

M.2 SHIELD FROZR: MAXIMIZE SSD PERFORMANCE, PREVENT SLOW DOWN

YOUR IN-GAME ADVANTAGE

IMMERSE YOURSELF INTO VIRTUAL WORLDS

AMPLIFY YOUR GAME WITH AUDIO BOOST 4

UNMATCHED MEMORY PERFORMANCE

MAXIMIZE YOUR USB DEVICE PERFORMANCE

ATYPICAL PCB

SERVER GRADE PCB

AMD X570 Chipset

The AMD X570 chipset is designed around 3rd generation AMD Ryzen 3000-series processors. Along with multiple improvements, its most noteworthy one is the addition of PCIe 4.0. PCIe 4.0 has roughly double the bandwidth of PCIe 3.0, which is beneficial for graphics cards, networking devices, NVMe drives, and more.

Cooling

The MPG X570 GAMING PLUS utilizes heavy duty heatsinks on the MOSFETs for reliable processor power delivery and on the chipset to ensure the system stays operational under intense workloads. It's also equipped with multiple DC/PWM fan headers for users to connect additional cooling solutions. Users can set their cooling preference (Boost/Balance/Silence) as needed within the Dragon Center software or its UEFI BIOS. Moreover, MSI's M.2 SHIELD FROZR heatsink helps to prevent SSD throttling.

Lightning Gen 4 PCIe

Aside from the increased transfer speeds with PCIe 4.0, MSI's Lightning Gen 4 PCIe slots are reinforced with steel and built with a server grade PCB for additional durability. Please note that PCIe 4.0 is backwards compatible with PCIe 3.0.

CPU

A combination of an optimized circuit layout and MSI's CoreBoost CPU power delivery system ensures performance and stability for high-end processors. Additional features include load-line calibration, overvoltage protection, a digital power deign, and double power connectors.

Memory

MSI motherboards feature an optimized memory circuit layout and extensive compatibility testing with major memory manufacturers. Users can also easily overclock their RAM with A-XMP profiles within BIOS.

Storage

With the addition of PCIe 4.0, M.2 storage solutions can operate at up to 64 Gb/s with an appropriate card. This motherboard is equipped with two M.2 slots and six SATA III ports for traditional hard drives. Additional features include:

- AMD StoreMI - Combines SSD and HDD storage into a hybrid drive to improve read/write speeds with larger capacity
- Storage Boost - Automatically checks and optimizes SSDs to keep them performing at their best
- M.2 Genie - Easily set up your M.2 SSDs in RAID 0 with less steps

USB 3.2 Gen 1 & Gen 2

USB 3.2 Gen 1 features a maximum throughput of 5 Gb/s. USB 3.2 Gen 1, USB 3.1 Gen 1, and USB 3.0 are synonymous. Doubling the speed of its predecessor, USB 3.2 Gen 2 features a maximum throughput of 10

Gb/s when used with compatible devices and is synonymous with USB 3.1 Gen 2.

Audio

The MPG X570 GAMING PLUS is built with multiple hardware and software enhancements to improve sound quality including:

- Realtek ALC1220 Audio Processor - Supports DSD Super Audio CD 120 dB SNR/32-bit playback and recording
- Golden Audio Jack & S/PDIF - Ensures a better connection from devices
- Isolated Audio Design & Separated Audio Layers - Audio components and circuits on separate PCB layers are located on a reserved spot on the motherboard and electronically isolated to preserve audio integrity
- Nahamic 3 - Enhances audio playback and provides users with multiple audio adjustments including virtual 7.1-channel surround sound
- VoiceBoost - Lowers game audio when users are speaking for improved clarity
- De-Pop Protection - Prevents loud popping noises when devices are plugged/unplugged or when the system is turned on/off
- Dedicated Headphone Amplifier - Automatically detects impedance up to 600 Ohms for studio-grade sound quality

MSI Mystic Light

MSI Mystic Light includes multiple color options and a variety of lighting effects for users to customizes their build. The motherboard also has multiple RGB headers for additional lighting components and LED strips. Users can also sync their compatible RGB components and peripherals for a unified theme.

Pre-Installed I/O Shielding

The pre-installed I/O shielding is designed to make installing the motherboard a bit easier. It's also built to protect the I/O ports from potential electrostatic discharge damage.

User Friendly Enhancements

- XL Clip - A larger PCIe clip for easy installation and removal of PCIe devices.
- EZ Debug LED - Onboard LEDs for key components signifying the source of the problem

Flash BIOS Button

Flash the BIOS with only a connected power supply by following a few steps. CPU and memory are not required.

Dragon Center

MSI's Dragon Center is a suite of software utilities for system monitoring, overclocking, and much more. It includes things like Gaming Mode, Game Boost, User Scenario, Hardware Monitor, OC Setting, Total Fan Control, and Mystic Light.

MSI GAMING PLUS Specs

CPU

Chipset	AMD X570
CPU Socket	AM4

Back Panel I/O

USB	4 x USB 3.1 / USB 3.2 Gen 1 Type-A 2 x USB 2.0 Type-A 1 x USB 3.1 / USB 3.2 Gen 2 Type-A 1 x USB 3.1 / USB 3.2 Gen 2 Type-C
Thunderbolt	*None*
Display	1 x HDMI 1.4
Audio	5 x 3.5 mm 1 x S/PDIF
Ethernet / Controller	1 x Realtek 8111H Gigabit
PS/2	1 x PS/2
Buttons	BIOS Flashback

Memory

Memory Slots	4 x 288-Pin
Memory Support	DDR4 1866, 2133, 2400, 2667, 2800, 2933, 3000, 3066, 3200, 3466, 3600, 3733, 3866, 4000, 4133, 4266, 4400 MHz
Maximum Capacity	128 GB
Channel Architecture	Dual Channel
ECC Support	Non-ECC, ECC (Non-ECC Mode) Unbuffered

Storage Expansion

SATA	6 x SATA III
M.2	1 x M Key 2242, 2260, 2280, 22110 (PCIe 4.0 x4, PCIe 3.0 x4) 1 x M Key 2242, 2260, 2280 (PCIe 3.0 x4, SATA III)
U.2	*None*
RAID Support	RAID 0, 1, 10

Internal I/O

Expansion Slots	1 x PCIe 4.0 x16 (x16 mode) 1 x PCIe 4.0 x16 (x4 mode) 3 x PCIe 3.0 x1
USB	2 x USB 2.0 Header (Supports 4 USB Type-A Port) 2 x USB 3.1 / USB 3.2 Gen 1 Header (Supports 4 USB Type-A Port)
Multi-GPU Support	2-Way AMD CrossFireX
Air Cooling	1 x 4-Pin CPU 4 x 4-Pin System
Liquid Cooling	1 x 4-Pin Pump
Power Connectors	1 x 24-Pin Mainboard 1 x 8-Pin CPU 1 x 4-Pin CPU
Security	Chassis Intrusion, TPM Module
LED Header	4 x RGB
Audio	*None*
Diagnostics	Clear CMOS
Legacy	1 x Serial

Front Panel I/O

I/O Connection Headers	AAFP

Audio

Audio Codec	Realtek ALC1220 (7.1-Channel)

Software

Supported Operating Systems	Windows 10 (64-Bit)

Physical

Form Factor	ATX
Dimensions	9.6 x 12" / 243.84 x 304.80 mm

Packaging Info

Package Weight	3.28 lb
Box Dimensions (LxWxH)	13.6 x 10.8 x 2.7"

Additional Information

Brand	MSI
SKU	X570GAMINGPLUS
Weight	8.0000
Processor Manufacturer	AMD
Chipset	X570