

MSI Z790 GAMING PLUS WIFI motherboard



Artikel
Herstellernummer
EAN
MSI

241749
Z790 GAMING PLUS WIFI
4711377134712



Z790 GAMING PLUS WIFI is designed with tons of connectivity, flexible tools, and convenient Wi-Fi solution with DDR5 memory version for gamers who want all.

Extended Heatsink

Extended Heatsink enlarges the surface of heat dissipation and maintain the performance at heavy loads.

M.2 Shield Frozr

Strengthened M.2 thermal solution helps M.2 SSD safe and ensures incredible performance.

Heavy Plated VRM Heatsink

The VRM heatsink covers the upper MOS and helps dissipate the heat.

7W/mK Thermal Pad & Additional Choke Pad

High-quality 7W/mK MOSFET thermal pads and additional choke thermal pads ensure stable performance when all cores are running at high speed.

Chipset Heatsink

The chipset heatsink is designed to reduce dust and noise and also capable of maintaining high efficiency of PCH.

LIGHTNING GEN 5 PCI-E

Doubling over the previous generation, the bandwidth of a x16 interface can reach 128GB/s.

SMT PCIE 5.0 SLOT

The advanced SMT(Surface Mount Technology) PCIE slot diminish interference and electrical noise, fully support the PCI-E 5.0 signal.

REINFORCED, HEAVY SOLDERED CONNECTIONS

Secure to the motherboard with extra solder points and support the weight of heavy graphics cards.

Zusammenfassung

Z790 GAMING PLUS WIFI is designed with tons of connectivity, flexible tools, and convenient Wi-Fi solution with DDR5 memory version for gamers who want all.

Extended Heatsink

Extended Heatsink enlarges the surface of heat dissipation and maintain the performance at heavy loads.

M.2 Shield Frozr

Strengthened M.2 thermal solution helps M.2 SSD safe and ensures incredible performance.

Heavy Plated VRM Heatsink

The VRM heatsink covers the upper MOS and helps dissipate the heat.

7W/mK Thermal Pad & Additional Choke Pad

High-quality 7W/mK MOSFET thermal pads and additional choke thermal pads ensure stable performance when all cores are running at high speed.

Chipset Heatsink

The chipset heatsink is designed to reduce dust and noise and also capable of maintaining high efficiency of PCH.

LIGHTNING GEN 5 PCI-E

Doubling over the previous generation, the bandwidth of a x16 interface can reach 128GB/s.

SMT PCIE 5.0 SLOT

The advanced SMT(Surface Mount Technology) PCIE slot diminish interference and electrical noise, fully support the PCI-E 5.0 signal.

REINFORCED,

HEAVY SOLDERED CONNECTIONS

Secure to the motherboard with extra solder points and support the weight of heavy graphics cards.

MSI Z790 GAMING PLUS WIFI, Intel, LGA 1700, Intel® Celeron®, Intel® Pentium® Gold, LGA 1700, DDR5-SDRAM, 192 GB

MSI Z790 GAMING PLUS WIFI. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Pentium® Gold. Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Supported memory clock speeds: 7200, 7000, 6800, 6600, 6400, 6200, 6000, 5800, 5600, 5400, 5200, 5000, 4800 MHz. Supported storage drive interfaces: M.2, PCI Express, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: 2.5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 6 (802.11ax), Wi-Fi standards: 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6 (802.11ax). Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel

Merkmale

Expansion slots

Number of M.2 (M) slots 4

Graphics

Memory

Supported memory types	DDR5-SDRAM
Number of memory slots	4
Non-ECC	Yes
Supported memory clock speeds	7200, 7000, 6800, 6600, 6400, 6200, 6000, 5800, 5600, 5400, 5200, 5000, 4800 MHz
Supported memory clock speed	7200 MHz

Parallel processing technology support	Not supported
--	---------------

(max) Maximum internal memory	192 GB
----------------------------------	--------

Packaging content

Cables included	SATA
-----------------	------

Weight & dimensions

Width	243.8 mm
Depth	304.8 mm

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces	M.2, PCI Express
RAID levels	0, 1, 5, 10

Processor

Processor manufacturer	Intel
Processor socket	LGA 1700
Compatible processor series	Intel® Celeron®, Intel® Pentium® Gold
Supported processor sockets	LGA 1700

Features

Motherboard chipset	Intel Z790
Audio chip	Realtek ALC897
Audio output channels	7.1 channels
Component for	PC
Motherboard form factor	ATX
Motherboard chipset family	Intel
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Network

Ethernet LAN	Yes
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi	Yes
Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6 (802.11ax)
Bluetooth	Yes
Bluetooth version	5.3

Internal I/O

USB 2.0 connectors	4
USB 3.2 Gen 1 (3.1 Gen 1) connectors	4
USB 3.2 Gen 2 (3.1 Gen 2) connectors	1
Number of SATA III connectors	6
Front panel audio connector	Yes
Front panel connector	Yes
TPM connector	Yes
RGB LED pin header	Yes

Rear panel I/O ports

USB 2.0 ports quantity	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-2 A ports quantity	
USB 3.2 Gen 2 (3.1 Gen 2) Type-1 A ports quantity	
USB 3.2 Gen 2x2 Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity	1
HDMI version	2.1
S/DPDIF out port	Yes

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.