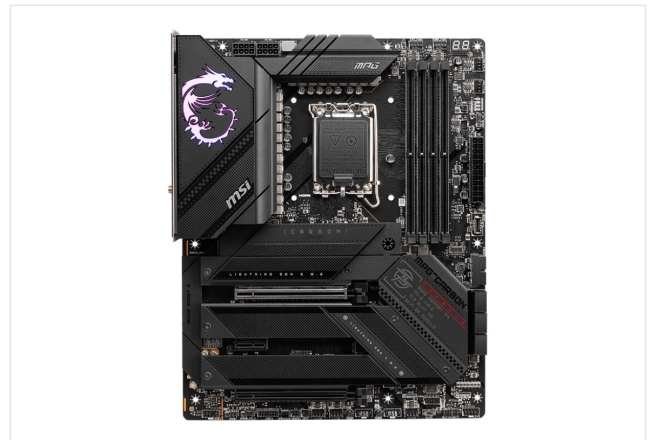
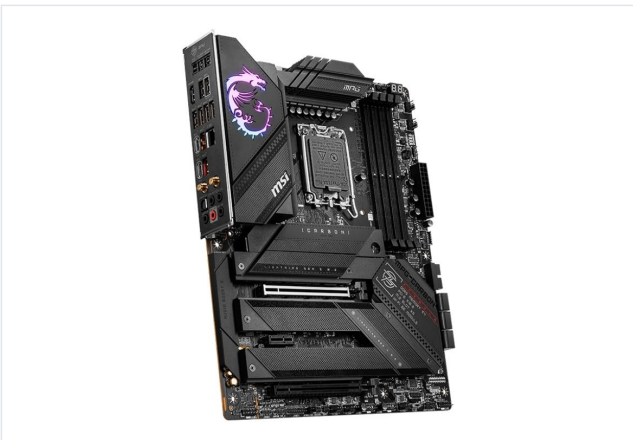


MPGZ790CARBONWIFI

MSI MPG Z790 CARBON WIFI Intel 12th / 13th Gen Socket LGA 1700 ATX Motherboard

Product Overview

MSI MPG Z790 CARBON WIFI Intel 12th / 13th Gen Socket LGA 1700 ATX Motherboard, Intel Z790 Chipset, 4x DDR5 DIMM Memory slots, 1x HDMI, 2x PCI-e x16 slot, 1x PCI-e x1 slot, 5x M.2 slot, 6x SATA 6G Port, USB 3.2 Gen1 Type-A, USB 3.2 Gen2 Type-A, USB 3.2 Gen2 Type-C, USB 3.2 Gen2x2 Type-C, Intel 2.5Gbps LAN, Intel Wi-Fi 6E, Bluetooth 5.3, 7.1-channel USB high performance audio, Flash BIOS, Audio connectors, Optical S/PDIF out





Specifications

Overview:

MPG Z790 CARBON WIFI

- Supports 13th /12th Gen Intel Core / Pentium / Celeron processors for LGA 1700 socket
- Supports DDR5 Memory, up to 7600+(OC) MHz
- Lightning Fast Game experience: PCIe 5.0 slot, Lightning Gen 5 x4 M.2, USB 3.2 Gen 2x2
- Enhanced Power Design: Direct 19+1+1 phases power, Core Boost, Memory Boost
- Premium Thermal Solution: Enlarged heatsink with heat-pipe, MOSFET thermal pads rated for 7W/mk, additional choke thermal pads and M.2 Shield Frozr are built for high performance system and non-stop gaming experience
- 2.5G LAN and Intel Wi-Fi 6E Solution: Upgraded network solution for professional and multimedia use. Delivers a secure, stable and fast network connection
- AUDIO BOOST 5: Reward your ears with studio grade sound quality for the most immersive gaming experience
- High Quality PCB: 8-layer PCB made by server grade level material
- Pre-installed I/O Shield: Better EMI protection and more convenience for installation

Specifications:

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Specifications	
Product Code	MPGZ790CARBONWIFI
CHIPSET	INTEL Z790
CPU SUPPORT	Supports 12th/13th Gen Intel Core Processors, Pentium Gold and Celeron Processors
	LGA 1700

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Product Specification Sheet

MEMORY	4x DDR5, Maximum Memory Capacity 128GB
	Memory Support 7600+(OC) / 7400 (OC) / 7200(OC) / 7000(OC) / 6800(OC) / 6600(OC) / 6400(OC) / 6200(OC) / 6000(OC) / 5800(OC) / 5600(JEDEC) / 5400(JEDEC) / 5200(JEDEC) / 5000(JEDEC) / 4800(JEDEC) MHz
	Max. overclocking frequency:
	1DPC 1R Max speed up to 7600+ MHz
	1DPC 2R Max speed up to 6600+ MHz
	2DPC 1R Max speed up to 6400+ MHz
	2DPC 2R Max speed up to 5600+ MHz
	Supports Intel XMP3.0 OC
	Supports Dual-Controller Dual-Channel mode
	Supports non-ECC, un-buffered memory
ONBOARD GRAPHICS	1x HDMI
	Support HDMI 2.1 with HDR, maximum resolution of 4K 60Hz
	*Available only on processors featuring integrated graphics. Graphics specifications may vary depending on the CPU installed.
EXPANSION SLOT	2x PCI-E x16 slot
	1x PCI-E x1 slot
	PCI_E1 PCIe 5.0 supports up to x16 (From CPU)
	PCI_E2 PCIe 3.0 supports up to x1 (From Chipset)
	PCI_E3 PCIe 4.0 supports up to x4 (From Chipset)
STORAGE	5x M.2 slot
	M.2_1 (From CPU) supports up to PCIe 4.0 x4, supports 2280/2260 devices
	M.2_2 (From CPU) supports up to PCIe 5.0 x4, supports 22110/2280/2260 devices
	M.2_3 (From Chipset) supports up to PCIe 4.0 x4, supports 2280/2260 devices
	M.2_4 (From Chipset) supports up to PCIe 4.0 x4, supports 2280/2260 devices
	M.2_5 (From Chipset) supports up to PCIe 4.0 x4 / SATA mode, supports 2280/2260 devices
	6x SATA 6G port
RAID	Supports RAID 0, RAID 1, RAID 5 and RAID 10 for SATA storage devices
	Supports RAID 0, RAID 1, RAID 5 and RAID 10 for M.2 NVMe storage devices
	* SATA_A1~A2 do not support RAID function.
USB	4x USB 2.0 (Front)
	2x USB 3.2 Gen1 Type A (Rear)
	2x USB 3.2 Gen1 Type A (Front)
	6x USB 3.2 Gen2 Type A (Rear)
	1x USB 3.2 Gen2 Type C (Rear)
	1x USB 3.2 Gen2x2 Type C (Rear)
	1x USB 3.2 Gen2x2 Type C (Front)

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Product Specification Sheet

LAN	Intel 2.5Gbps LAN
WIRELESS / BLUETOOTH	Intel Wi-Fi 6E
	The Wireless module is pre-installed in the M.2 (Key-E) slot
	Supports MU-MIMO TX/RX, 2.4GHz / 5GHz / 6GHz* (160MHz) up to 2.4Gbps
	Supports 802.11 a/ b/ g/ n/ ac/ ax
	Supports Bluetooth 5.3, FIPS, FISMA
	* Wi-Fi 6E 6GHz may depend on every country's regulations and will be ready in Windows 10 build 21H1 and Windows 11."
AUDIO	Realtek ALC4080 Codec
	7.1-Channel USB High Performance Audio
	Supports up to 32-Bit/384 kHz playback on front panel
INTERNAL I/O	1x Power Connector(ATX_PWR)
	2x Power Connector(CPU_PWR)
	1x CPU Fan
	1x Pump Fan
	5x System Fan
	2x Front Panel (JFP)
	1x Chassis Intrusion (JCI)
	1x Front Audio (JAUD)
	1x TBT connector (JTBT, supports RTD3)
	1x Tuning Controller connector(JDASH)
	2x Addressable V2 RGB LED connector (JARGB_V2)
	1x RGB LED connector(JRGB)
	1x TPM pin header(Support TPM 2.0)
	4x USB 2.0
	2x USB 3.2 Gen1 Type A
	1x USB 3.2 Gen 2x2 Type C
LED FEATURE	1x EZ LED Control switch
	1x 2-Digit Debug Code LED
	4x EZ Debug LED

BACK PANEL PORTS	Clear CMOS / Flash
	USB 3.2 Gen 1 5 Gbps (Type-A)
	2.5G LAN
	USB 3.2 Gen 2 10Gbps (Type-A)
	Audio Connectors
	Smart Button
	HDMI
	USB 3.2 Gen 2 10Gbps (Type-A)
	USB 3.2 Gen 2 10Gbps (Type-C)
	USB 3.2 Gen 2x2 20Gbps (Type-C)
	Wi-Fi / Bluetooth
	Optical S/PDIF Out
PCB DIMENSION	ATX
	243.84mmx304.8mm

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/MPGZ790CARBONWIFI-MSI-MPG-Z790-CARBON-WIFI-Intel-12th-Buy-p-275251.php>

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