



MSI MPG Z390 GAMING Pro Carbon DDR4 8th/9th Gen Intel LGA1151 Socket Motherboard

Sale Price: 19000.0

PRODUCT ID: 04201

Basic

Information

Supported CPU	Supports 9th / 8th Gen Intel Core / Pentium Gold / Celeron processors for LGA 1151 socket
Chipset	Intel Z390 Chipset
Form Factor	9.6 in. x 12 in. (24.3 cm x 30.4 cm) ATX Form Factor

Expansion

Slots

PCI	3 x PCIe 3.0 x16 slots (support x16/x0/x4, x8/x8/x4 modes) 3 x PCIe 3.0 x1 slots
M.2 Socket	2 x M.2 slot (Key M) Support up to PCIe 3.0 x4 and SATA 6Gb/s, 2242/ 2260/ 2280/ 22110 storage devices Intel® Optane™ Memory Ready

Memory

Type	Supports Dual-Channel mode
Slots	4 x DDR4 memory slots
Supported Memory	Supports DDR4 4400(OC)/ 4300(OC)/ 4266(OC)/ 4200(OC)/ 4133(OC)/ 4000(OC)/ 3866(OC)/ 3733(OC)/ 3600(OC)/ 3466(OC)/ 3400(OC)/ 3333(OC)/ 3300(OC)/ 3200(OC)/ 3000(OC) / 2800(OC)/ 2666/ 2400/ 2133 MHz Supports non-ECC, un-buffered memory Supports Intel Extreme Memory Profile (XMP)
Maximum Memory	support up to 128GB

Graphics

Basic Information

Graphics	1 x HDMI port 1.4, supports a maximum resolution of 4096x2160@24Hz 1 x DisplayPort port 1.2, supports a maximum resolution of 4096X2304@60Hz *No Display support when using the Processor model with suffix "F" Supports 2-Way NVIDIA SLI Technology Supports 3-Way AMD CrossFire Technology
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Connector & Ports

HDMI	1 x HDMI port 1.4, supports a maximum resolution of 4096x2160@24Hz
Display Port (s)	1 x DisplayPort port 1.2, supports a maximum resolution of 4096X2304@60Hz
USB (s)	Intel Z390 Chipset 5x USB 3.1 Gen2 (SuperSpeed USB 10Gbps) ports (1 Type-C and 3 Type-A ports on the back panel, 1 Type-C internal connector) 4x USB 3.1 Gen1 (SuperSpeed USB) ports available through the internal USB connectors 6x USB 2.0 (High-speed USB) ports (2 Type-A ports on the back panel, 4 ports available through the internal USB connectors)
LAN Port (s)	1 x Intel I219-V Gigabit LAN controller
Supported Storage	Intel Z390 Chipset 6 x SATA 6Gb/s ports 2 x M.2 slot (Key M) Support up to PCIe 3.0 x4 and SATA 6Gb/s, 2242/ 2260/ 2280/ 22110 storage devices Intel Optane Memory Ready
Audio	Realtek ALC1220P-VB2 Codec 7.1-Channel High Definition Audio Supports S/PDIF output

Basic Information

Internal I/O	1 x 24-pin ATX main power connector
Ports	1x 8-pin ATX 12V power connector
	1x 4-pin ATX 12V power connector
	6x SATA 6Gb/s connectors
	1x USB 3.1 Gen2 Type-C port
	2x USB 3.1 Gen1 connectors (supports additional 4 USB 3.1 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
	5x 4-pin system fan connectors
	1x Serial port connector
	1x Front panel audio connector
	2x System panel connectors
	1x Thunderbolt Add-on Card Connector
	1x Chassis Intrusion connector
	1x TPM module connector
2x 4-pin RGB LED connectors	
1x 3-pin RAINBOW LED connector	
1x 3-pin CORSAIR LED connector	

Others

Bundled Software	OPERATING SYSTEM: Support for Windows 10 64-bit
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Warranty Information

Manufacturing Warranty	03 years warranty
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