

Embargo Date	
Product Full Name / Title	Corsair Force Series Gen.4 PCIe MP600 500GB NVMe M.2 SSD
Product Imagery	LINK
Compatibility List	M.2 2280 Interface Connector Windows 10, Mac OS X
Description	Corsair Force Series MP600 500GB M.2 NVMe PCIe Gen. 4 x4 SSD



Overview

100 Word Product Description

The CORSAIR Force MP600 Gen4 PCIe x4 NVMe M.2 SSD uses Gen4 PCIe technology with blazing fast sequential read speeds of up to 4,950MB/s and sequential write speeds of up to 2,500MB/s. High-density 3D TLC NAND flash memory provides an ideal mix of performance, endurance, and value, with longevity up to 850TB Written. Contained in an industry-standard M.2 2280 form factor and connecting using a high-speed NVMe PCIe Gen4 x4 M.2 interface, the MP600 is easy to install into a compatible motherboard and is backed by a five-year warranty. If you're looking for extreme storage performance, go with Gen4 for blazing fast speed.

Overview

50 Word Product Description

The CORSAIR Force MP600 Gen4 PCIe x4 NVMe M.2 SSD provides extreme storage performance, using Gen4 PCIe technology to achieve blazing fast sequential read speeds of up to 4,950MB/s and sequential write speeds of up to 2,500MB/s. High-density 3D TLC NAND flash memory provides an ideal mix of performance, endurance, and value, with longevity up to 850TB Written.

Overview

25 Word Product Description

The CORSAIR Force MP600 Gen4 PCIe x4 NVMe M.2 SSD provides extreme storage performance, using Gen4 PCIe technology to achieve blazing fast sequential read speeds of up to 4,950MB/s.

Features and Benefits

Feature	Benefit
Extreme Gen4 Storage Performance	A PCIe Gen4 x4 controller delivers up to 4,950MB/s sequential read and 2,500MB/s sequential write speeds, for blazing fast read, write, and response times.
High-speed Gen4 PCIe x4 NVMe M.2 Interface	Using PCIe Gen4 technology for maximum bandwidth, the MP600 delivers incredible storage performance.
High-density 3D TLC NAND	Provides the ideal mix of performance, endurance, and value to keep your drive performing at its best for years.
Outstanding Endurance	Guaranteed for up to 850TB Written, the MP600's longevity ensures that it will reliably store your data through many years of use.
M.2 2280 Form Factor	Fits directly into your motherboard.
CORSAIR SSD Toolbox Software	Enables advanced drive controls from your desktop including secure erase and firmware updates.
Comprehensive Five-year Warranty	Long-term reliability and industry-leading customer support for peace of mind.

Technical Specification

● Capacity:	500GB	● Max Sequential Read (CDM):	Up to 4,700 MB/s
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● Interface Type:	Gen4 PCIe x4 NVMe	● Max Sequential Write (CDM):	Up to 2,500MB/s
● Form Factor:	M.2 2280	● Max Random Read QD32 (IOMeter):	Up to 320k IOPS
● Controller:	Phison PS5016-E16	● Max Random Write QD32 (IOMeter):	Up to 550K IOPS
● NAND Type:	3D TLC	● DRAM Cache:	Yes

*Maximum speeds under Windows 10 using CrystalDiskMark 6.0.0

*Performance may vary based on system hardware & configuration.

SSD Features

● Trim Support:	Yes	● Bad Block Management	Yes
● S.M.A.R.T.	Yes	● Static and Dynamic Leveling:	Yes
● Garbage Collection:	Yes	● Encryption Support:	AES 256-bit Encryption

Power Consumption

● Idle:	1.1W
● Endurance:	850TBW
● MTBF:	1,700,000 Hours
● Active Read:	6.3W
● Active Write:	6.3W
● DEVSLP:	PS4 < 1.65mW

Environmental Specification

● Operating Temperature:	0°C to +70°C
● Storage Temperature:	-40°C to +85°C
● Operating Humidity:	90% RH (40° C)
● Storage Humidity:	93% RH (40° C)
● Shock:	1,500 G
● Vibration:	20Hz~80Hz/1.52mm, 80Hz~2000Hz/20G

Box Contents

Force MP600 Series M.2 SSD with heatsink

Search Terms

PCIe Gen4, NVMe SSD, M.2 SSD, CORSAIR SSD, NVMe SSD, NVMe PCIe Gen4 x4, M.2 SSD, M.2 PCIe SSD, M.2 SSD PCIe, NVMe, PCIe NVMe, PCIe SSD, PCI-E SSD, Fast SSD, Fast M.2 SSD, PCIe M.2 SSD, PCI-E M.2 SSD, AMD Matisse, AMD Ryzen 3000, AMD Zen 2, AMD 3rd Gen Ryzen, AMD X570

Shipping Information

Product Dimensions	80mm x 23mm x 15 mm / 3.15" x 0.91" x 0.59"	
Product Weight	34.0g / 0.075 lb	
Shipping Dimensions	135mm x 110mm x 24mm / 5.31" x 4.33" x 0.94"	
Shipping Weight	72.0g / 0.16 lb	
Inner Pack Quantity	10 pcs	
Inner Pack Dimensions	274mm x 120mm x 140mm / 10.08" x 4.72" x 5.51"	
Inner Pack Shipping Weight	1100g / 2.43 lb	
Master Pack Quantity	80 pcs	
Master Pack Dimensions	575mm x 263mm x 309mm / 22.64" x 10.35" x 12.17"	
Master Pack Shipping Weight	9100.0g / 20.11 lb	
Warranty	5 Year	
Harmonized Tariff Code	8523.51.0000	
Country of Origin	TAIWAN	
Part Number/ UPC	Part Number	UPC Code
	CSSD-F500GBMP600R2	840006658894

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