

Embargo Date	Oct 8 2020 12:00:00 AM
Product Full Name / Title	Corsair MP400 1TB NVMe PCIe M.2 SSD
Product Imagery Link	https://corsair.sharefile.com/home/shared/fobf6415-4e97-44da-bf01-c72af382ab1d
Video Link	LINK
Compatibility List	M.2 2280 Interface Connector Windows 10, Mac OS X
Description	Corsair MP400 1TB Gen3 PCIe x4 NVMe M.2 SSD



Overview

100 Word Product Description

The CORSAIR MP400 Gen3 PCIe x4 NVMe M.2 SSD delivers up to 3,400MB/s sequential read and up to 3,000MB/s sequential write speeds, taking advantage of 3D QLC NAND memory to store more data in the same amount of physical space than previous generation TLC NAND. Guaranteed for up to 1,600TB Written* and backed by a five-year warranty, the MP400 will reliably store your data for years to come. Conveniently slotting directly into your motherboard thanks to its M.2 form factor and easily controlled using CORSAIR SSD Toolbox Software, upgrade to high-capacity 3D QLC with the MP400.

* Performance and endurance vary by capacity.

Overview

50 Word Product Description

The CORSAIR MP400 Gen3 PCIe x4 NVMe M.2 SSD delivers up to 3,400MB/s sequential read and up to 3,000MB/s sequential write speeds*, taking advantage of high-capacity 3D QLC NAND memory to store more data in the same amount of physical space than previous generation TLC NAND.

* Performance and endurance vary by capacity.

Overview

25 Word Product Description

The CORSAIR MP400 Gen3 PCIe x4 NVMe M.2 SSD delivers up to 3,400MB/s sequential read and up to 3,000MB/s sequential write speeds*, utilizing high-capacity 3D QLC NAND memory.

* Performance and endurance vary by capacity.

Features and Benefits

Style 1

- Experience lightning-fast data speeds up to 3,400MB/s sequential read and 3,000MB/s sequential write, many times faster than traditional SATA SSDs.*
- A convenient Gen3 PCIe x4 NVMe interface ensures wide-ranging compatibility and high-bandwidth performance.

	High-density 3D QLC NAND offers even better value than previous generation TLC NAND, storing more data in the same amount of physical space.
	The MP400 reliably stores your data through years of use with endurance up to 1,600TB Written.*
	M.2 2280 industry standard form factor fits directly into your motherboard with no need for cables.
	CORSAIR SSD Toolbox software enables advanced drive controls from your desktop, such as secure erase and firmware updates.
	A comprehensive five-year warranty ensures peace of mind with industry-leading customer support.
	* Performance and endurance vary by capacity.
Style 2	
	Lighting-Fast Performance: Experience data speeds up to 3,400MB/s sequential read and 3,000MB/s sequential write speeds, many times faster than traditional SATA SSDs.*
	Gen3 PCIe x4 NVMe Interface: Ensures wide-ranging compatibility and high-bandwidth performance.
	High-Density 3D QLC NAND: Offers even better value than previous generation TLC NAND, storing more data in the same amount of physical space.
	Strong Endurance: The MP400 reliably stores your data through years of use with endurance up to 1,600TB Written.*
	M.2 2280 Form Factor: Fits directly into your motherboard with no need for cables.
	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:	1000GB	Sequential Read(CDM):	3480MB/s
Interface Type:	PCIe Gen 3.0 x4	Sequential Write (CDM):	1880MB/s
Form Factor:	M.2 2280	4K Random Read:	190K IOPS
PCIe Protocol:	NVMe 1.3	4K Random Write:	470K IOPS
Controller:	PS5012-E12S	Software:	Corsair SSD Toolbox
NAND Type:	3D QLC	PCB Form Factor:	Single sided
DRAM cache:	Yes		

Power Consumption

Idle:	< 5mW	Active Read:	4.0W
Endurance:	200TBW	Active Write:	4.0W
MTBF:	1,800,000 hours	DevsIp:	PS4: 2mW
TRIM:	Yes	SMART:	Yes
Garbage collection:	Yes	Bad block:	Yes
Static and Dynamic leveling:	Yes	Encryption support:	AES 256bit

Environmental Specification

Operating Temperature:	0°C to +65°C	Storage Humidity:	93% RH (40° C)
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Storage Temperature:	-40°C to +85°C	Shock:	1,500 G
Operating Humidity:	90% RH (40° C)	Vibration:	20Hz~80Hz/1.52mm, 80Hz~2000Hz/20G

Box Contents

MP400 M.2 SSD

Search Terms

NVMe SSD

M.2 SSD

QLC SSD

Additional Keywords:

CORSAIR SSD, NVMe SSD, 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, 3d qlc, Qlc, Qlc nand

Shipping Information

Product Dimensions	22mm x 80mm x 3mm / 0.87" x 3.15" x 0.12"	
Product Weight	0.0082kg / 0.0181 lbs	
Shipping Dimensions	75mm x 127mm 11.5mm / 2.95" x 5" x 0.45"	
Shipping Weight	0.03kg / 0.066 lbs	
Inner Pack Quantity	10	
Inner Pack Dimensions	161mm x 141mm x 83mm / 6.34" x 5.55" x 3.27"	
Inner Pack Shipping Weight	0.374kg / 0.825 lbs	
Master Pack Quantity	344mm x 301mm x 201mm / 13.54" x 11.85" x 7.91"	
Master Pack Dimensions	80	
Master Pack Shipping Weight	3.574kg / 7.879 lbs	
Warranty	5-Year	
Harmonized Tariff Code	8523.51.0000	
Country of Origin	TAIWAN	
Part Number/ UPC	Part Number	UPC Code
	CSSD-F1000GBMP400	840006623250

