

Embargo Date	Mar 7 2024
Product Full Name / Title	CORSAIR MP700 PRO PCIe Gen5 x4 NVMe 2.0 M.2 SSD – High-Density TLC NAND – M.2 2280 – DirectStorage Compatible – Up to 12,400MB/sec
Part Number	CSSD-F4000GBMP700PNH
Product Imagery Link	https://corsair.mediavalet.com/portals/MP700_PRO_WW
Access Key	ttF270qcc
Product Video Link	https://corsair.mediavalet.com/portals/MP700_PRO_WW
Compatibility List	M.2 2280 Interface Connector Windows 10, 11, Mac OS X



Overview

100 Word Product Description

Experience the incredible performance of PCIe Gen5 storage in your system, with up to 12,400MB/sec sequential read and 11,800MB/sec sequential write speeds for amazingly fast boot, load, and save times. The high-bandwidth NVMe 2.0 interface and high-density 3D TLC NAND flash memory offer outstanding performance and longevity. An industry standard M.2 2280 form-factor means you slot the MP700 PRO directly into your motherboard, use of the motherboard’s integrated cooling or a third-party M.2 2280 SSD cooler is required to maintain peak performance. Microsoft DirectStorage enables unprecedented load times when playing compatible games. With endurance up to 3,000TB Written and a comprehensive five-year warranty, the MP700 PRO delivers cutting-edge storage performance for years.

Overview

50 Word Product Description

Experience the incredible performance of PCIe Gen5 storage in your system, with up to 12,400MB/sec sequential read and 11,800MB/sec sequential write speeds for amazingly fast boot, load, and save times. The high-bandwidth NVMe 2.0 interface and high-density 3D TLC NAND flash memory offer outstanding performance and longevity.

Overview

20 Word Product Description

Experience the incredible performance of PCIe Gen5 storage in your system, with unbelievable sequential read and write speeds using the high-bandwidth NVMe 2.0 interface for great performance and longevity.

Features and Benefits

Style1

High-speed Gen5 PCIe x4 NVMe 2.0 M.2 interface
Up to 12,400MB/sec sequential read and 11,800MB/sec sequential write speeds
High-density 3D TLC NAND
Microsoft DirectStorage compatible
Outstanding endurance up to 3,000TB Written
Compact M.2 2280 form-factor
Backward compatible with PCIe Gen4
CORSAIR SSD Toolbox software
Comprehensive five-year warranty

Style2
Gen5 Performance Powered by NVMe 2.0: PCIe Gen5 x4 combines with the massively high-bandwidth NVMe 2.0 interface to unleash higher-speed data transfers and greater M.2 SSD performance than ever before.*
Your PC Made Faster: Load games, boot Windows, and manage large files with unprecedented speed, reaching up to 12,400MB/sec sequential read and 11,800MB/sec sequential write speeds.**
Wide Compatibility: Supports the latest PCIe 5.0 architecture of Intel Z790 and AMD X670 platforms and beyond.
High-Density 3D TLC NAND: Provides the ideal mix of performance and endurance to keep your drive performing at its best for years.
Microsoft DirectStorage**: Enables the MP700 PRO to communicate directly with your graphics card when playing compatible games, for unbelievably fast load times.
Outstanding Endurance: Guaranteed for up to 3,000TB Written, the MP700 PRO's longevity ensures that it reliably stores your data through many years of use.
Compact M.2 2280 Form-Factor: Fits directly onto most motherboards.
Backward Compatible: Support for PCIe Gen4 and Gen3 systems at reduced performance.
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.
<small>*SSD cooling required. **Performance and endurance vary by capacity. ***DirectStorage requires a DirectX12 GPU with Shader Model 6.0 support.</small>

Tech Specs

• Dimensions(L x W x H):	22mm x 80mm x 3mm / 0.87" x 3.15" x 0.12" (SSD only)	• Bad Block Management:	yes
• Product Type:	Internal SSD	• NAND Type:	3D TLC
• Interface Type:	PCIe Gen 5.0 x4	• DRAM cache:	yes
• Form Factor:	M.2 2280 key M, double sided	• Encryption support:	AES 256bit
• PCIe Protocol:	NVMe 2.0	• Sequential Read(CDM):	12400MB/s
• Controller:	Phison PS5026-E26	• Sequential Write (CDM):	11800MB/s
• Capacity:	4000GB	• 4K Random Read:	1.7M
• MTBF:	1,600,000 hours	• 4K Random Write:	1.6M
• SMART:	yes	• Endurance:	3000TBW
• TRIM:	yes	• Software:	Corsair SSD Toolbox
• Garbage Collection:	yes		

Power Consumption

Power Average Active Read:	11W	Power Idle:	< 144mW
Power Average Active Write:	11W	DevSLP (L1.2):	PS4: <85mW

Environmental Spec

Operating Temperature:	0°C to +70°C	Storage Humidity:	40°C 93% RH
Storage Temperature:	-40°C to +85°C	Shock:	1500G
Operating Humidity:	40°C 90% RH	Vibration:	20Hz~80Hz/1.5

Box Contents

MP700 PRO M.2 SSD (no included heatsink, separate cooling required)

Serch Terms

m.2 ssd
 pcie 5.0
 pcie 5 ssd
 nvme m.2 ssd, pcie gen 5, pcie 5.0 ssd, pcie gen5

Shipping Information

Product Dimensions (L x W x H)	22*80*3mm / 0.867"*3.15"*0.118"	
Product Weight	0.0082kg / 0.0181lbs	
Shipping Dimensions (L x W x H)	75*127*11.5mm / 2.95"*5.0"*0.453"	
Shipping Weight	0.0307kg / 0.0677lbs	
Inner Pack Dimension (L x W x H)	161*141*83mm / 6.34"*5.55"*3.27"	
Inner Pack Quantity	10	
Inner Pack Weight	0.374kg / 0.8245lbs	
Master Pack Quantity	80	
Master Pack Dimensions	344*301*201mm / 13.54"*11.85"*7.91"	
Master Pack Shipping Weight	3.574kg / 7.879lbs	
Harmonized Tariff Code	8523.51.0000	
Place of Origin	TAIWAN	
Warranty	5 years	
Part Number/ UPC	Part Number	UPC Number
	CSSD-F4000GBMP700PNH	840006675181

