

Embargo Date	27-Jan-2025
Product Full Name / Title	CORSAIR MP600 CORE XT PCIe Gen4 x4 NVMe M.2 SSD – High-Density QLC NAND – M.2 2280 – DirectStorage Compatible - Up to 5,900MB/sec – Great for PCIe 4.0 Notebooks and Desktops
Product Imagery Link	https://corsair.mediavalet.com/portals/MP600_CORE_XT_WWS
Password	CR3\$&Mkf@16Y
Video Link	https://corsair.mediavalet.com/portals/MP600_CORE_XT_WWS
Compatibility List	M.2 2280 Interface Connector Windows 11, Windows 10, Mac OS X
Description	Corsair MP600 CORE XT 1TB Gen4 PCIe x4 NVMe M.2 SSD



Overview

100 Word Product Description

The CORSAIR MP600 CORE XT Gen4 PCIe x4 NVMe M.2 SSD provides great storage performance ideal for PCIe Gen4-compatible laptops and notebooks, delivering sequential read speeds of up to 5,900MB/sec and sequential write speeds of up to 5,000MB/sec. High-density QLC NAND flash memory offers an ideal combination of performance and value. Contained in a compact M.2 2280 form factor and connecting over a high-speed NVMe 1.4 PCIe Gen4 x4 M.2 interface, the MP600 CORE XT is easy to install into a compatible motherboard and is backed by a five-year warranty.

Overview

50 Word Product Description

The CORSAIR MP600 CORE XT Gen4 PCIe x4 NVMe M.2 SSD provides great storage performance ideal for PCIe Gen4-compatible laptops and notebooks, delivering sequential read speeds of up to 5,900MB/sec and sequential write speeds of up to 5,000MB/sec.

Overview

25 Word Product Description

The CORSAIR MP600 CORE XT provides great storage performance ideal for PCIe Gen4-compatible laptops and notebooks, achieving impressive sequential read and write speeds.

Features and Benefits

<ul style="list-style-type: none"> ● Impressive Gen4 Storage Performance: A PCIe Gen4 x4 controller delivers up to 5,900MB/sec sequential read and 5,000MB/sec sequential write speeds*, for outstanding read, write, and response times.
<ul style="list-style-type: none"> ● Your PC Made Faster: Load games, boot Windows, open and transfer files, all faster than ever.
<ul style="list-style-type: none"> ● High-Speed Gen4 PCIe x4 NVMe 1.4 M.2 Interface: Using PCIe Gen4 technology for maximum bandwidth, the MP600 CORE XT delivers great storage performance.
<ul style="list-style-type: none"> ● High-Density 3D QLC NAND: Provides the ideal combination of performance and value.
<ul style="list-style-type: none"> ● Compact M.2 2280 Form-Factor Great for Notebooks: Fits directly onto most motherboards, making a great upgrade for laptops and notebooks with PCIe Gen4-capable CPUs.
<ul style="list-style-type: none"> ● Backward Compatible**: Support for PCIe Gen3 systems.
<ul style="list-style-type: none"> ● CORSAIR SSD Toolbox Software: Enables advanced drive controls from your desktop including secure erase and firmware updates.
<ul style="list-style-type: none"> ● Comprehensive Five-Year Warranty: Long-term reliability and industry-leading customer support for peace of mind.
<p>*Performance and endurance vary by capacity. **DirectStorage requires a DirectX12 GPU with Shader Model 6.0 support. ***Reduced performance on PCIe Gen3.</p>

Technical Specification

		Bad Block Management:	yes
Product Type:	Internal SSD	NAND Type:	3D QLC
Interface Type:	PCIe Gen 4.0 x4	DRAM cache:	no (utilizing HMB)
Form Factor:	M.2 2280 key M, single sided	Encryption support:	no
PCIe Protocol:	NVMe 1.4	Sequential Read(CDM):	up to 5,900MB/s
Controller:	Phison PS2027-E27T	Sequential Write (CDM):	up to 5,000MB/s
Capacity:	1TB	4K Random Read:	up to 500K IOPS
MTBF:	1,600,000hrs	4K Random Write:	up to 1,000K IOPS
SMART:	yes	Endurance:	250TBW
TRIM:	yes	Software:	Corsair SSD Toolbox
Garbage Collection:	yes		

Power Consumption

Power Average Active Read:	5.5W	Power Idle:	< 50mW
Power Average Active Write:	5.5W	DevSLP (L1.2):	PS4: <5mW

Environmental Specification

Operating Temperature:	0°C to +70°C	Shock:	1500G
Storage Temperature:	-40°C to +85°C	Vibration:	20Hz~80Hz/1.52mm
Operating Humidity:	40°C 90% RH	Warranty:	5 years
Storage Humidity:	40°C 93% RH		

Box Contents

MP600 CORE XT M.2 SSD

Search Term

m.2 ssd
 pcie 4.0
 CORSAIR SSD, nvme m.2 ssd, pcie gen 4, pcie 4.0 ssd, pcie gen4

Shipping Info

Product Dimensions	22*80*3mm / 0.87"*3.15"*0.12"		
Product Weight	0.0082kg / 0.018lbs		
Shipping Dimensions	75*127*11.5mm / 2.95"*5.0"*0.45"		
Shipping Weight	0.03kg / 0.66lbs		
Inner Pack Quantity	10		
Inner Pack Dimensions	161*141*83mm / 6.34"*5.55"*3.27"		
Inner Pack Shipping Weight	0.374kg / 0.825lbs		
Master Pack Quantity	80		
Master Pack Dimensions	344*301*201mm / 13.54"*11.85"*7.91"		
Master Pack Shipping Weight	3.574kg / 7.879lbs		
Warranty	5 Years		
Harmonized Tariff Code	8523.51.0000		
Place of Origin	TAIWAN		
Part Number/ UPC	Part Number	UPC Code	
	CSSD-F1000GBMP600CXTR2	840440499701	

