

Speed up the Next Generation

M10PGN

M10P Series M.2 2280 NVMe™ SSD
PCIe® Gen 4x4



Features

- Supports PCIe® Gen 4.0 Technology, Sequential read/ write up to 7,000/5,000 MB/s, Random read/ write up to 650,000/550,000 IOPS
- PlexNitro II - exclusive firmware for cache acceleration
- TrueProtect - exclusive error correction mechanism

	M10PY	M10PG	M10PGN
Heat Sink	•	•	
Gaming Spec	•	•	•
Finely Selected Components	•	•	•
Colorful RGB LED	•		

Featuring next-gen PCIe® Gen 4.0 technology, M10PGN turns long load time into a short but pleasant journey. Unleash the combined forces of the lightning-fast transfer speed of KIOXIA BiCS FLASH™ & pro-level controller. The “Plextor endurance testing mechanism” simulates a range of read-write scenarios on M10PGN SSD to assure a stable and reliable storage experience with over 2,500,000 hours of mean time between failures (MTBF).

Supreme Performance

Engineered with PCIe® Gen 4.0 Technology alongside NVMe™, empowered by PlexNitro II exclusive firmware, M10PGN promises a high transfer speed that far surpasses previous generation product. With high-bandwidth and low lagging interface, M10P Series take the sequential read/ write speeds up to 7,000/5,000 MB/s, perfectly fit for gamers and professional video makers.

Top Notch Components and Exclusive Firmware

High efficient KIOXIA BiCS FLASH™ & pro-level controller assure the durability and reliability of M10PGN. Your data is protected and secured with TrueProtect. Plextor’s exclusive firmware activates error correction mechanism to maintain data integrity during high speed data transmission.

More Capacity, Better Compatibility

M10PGN SSD is designed for various applications that require more space; Our 2TB (optional 512GB/ 1TB) storage capacity is ready for your favorite games. M10PGN SSD comes in M.2 2280 or PCIe® add-in-card form factors to perfectly serve your PC and laptop.

5-year Warranty, Flawless Quality Control

The M10P Series undergoes several tests by world-class SSD inspection equipment until “Zero-error” performance is achieved. The “Plextor endurance testing mechanism” simulates a range of read-write scenarios on M10P Series SSD to assure a stable and reliable storage experience with over 2,500,000 hours of mean time between failures (MTBF). 5-year warranty guaranteed on each M10P Series SSD is a promise we proudly keep.

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M10P Series SSD

Specification			
Model	PX-512 M10PGN	PX-1T M10PGN	PX-2T M10PGN
Capacity	512GB	1TB	2TB
Cache	512 MB DDR4	1024 MB DDR4	2048 MB DDR4
Controller	InnoGrit Rainier		
NAND Flash	KIOXIA BiCS FLASH™ TLC		
Performance (Under Windows NTFS)			
Sequential Read Speed (MB/s)	Up to 7,000	Up to 7,000	Up to 7,000
Sequential Write Speed (MB/s)	Up to 4,000	Up to 5,000	Up to 5,000
Random Read Speed (IOPS)	Up to 650,000	Up to 650,000	Up to 650,000
Random Write Speed (IOPS)	Up to 530,000	Up to 550,000	Up to 550,000
Environment and Reliability			
Power Requirement	DC 3.3V 2.9A (Max.)		DC 3.3V 3.2A (Max.)
Operating Temperature	0 °C~70°C / 32°F~158°F (Operating)		
MTBF	2,500,000 Hours		
Warranty	5 years		
Compatibility			
Operating System	Microsoft Windows 8.1, 10/ Linux OS		
Certifications	UL, TUV, FCC, CE, BSMI, VCCI, RCM, KCC, EAC, ROHS		
Command Set Support	TRIM, S.M.A.R.T, IO queue, NVMe™ command		
Interface	M.2 PCIe® Gen 4 x 4 with NVMe™ Express		
Firmware Upgrade	Supported		
Form Factor	M.2 2280		
Dimensions and Weight			
Dimension (L x W x H)	80.0 x 22.0 x 2.3 mm/3.15 x 0.87 x 0.09 inch		
Weight	10g/0.35oz		
Package Content			
Drive	512GB / 1TB / 2TB SSD		
Documents	Quick Installation Guide		

Specification subject to change without notice.

Actual performance may vary according to hardware,

software and overall system configuration. Performance measured by CrystalDiskMark ver. 5.0.2,

IOMETER 1.1.0 Test Platform: Motherboard ASUS Z590, Win 10 professional x64

www.PLEXTOR.com



PLEXTOR®

True as Promised.

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