

# Revolutionize your Gaming Battlefield

## M9PeG

M9Pe series M.2 2280 NVMe SSD  
PCIe Gen 3x4



### Features

- Dynamic, streamlined, and highly efficient heat sink design (HHHL/AIC)
- Supports NVMe PCIe Gen 3 x 4
- Sequential read / write up to 3,200 / 2,100 MB/s, random read / write up to 400,000 / 300,000 IOPS
- Latest generation of LDPC error correction technology
- Exclusive firmware technology for cache acceleration - PlexNitro

	M9PeY	M9PeG	M9PeGN
Heat sink	•	•	
Gaming Performance	•	•	•
Finely selected components	•	•	•
Colorful RGB LED	•		

The M9PeG features superior performance and highly efficient heat sink designed to cater to the needs of every PC gamer and the like. It supports the latest generation NVMe and adopts advanced 3D NAND flash memory with flagship controller chip. The exclusive performance boosting technology, PlexNitro, releases the M9Pe's full potential.

### Aesthetics and Functionality in One Cool Design

The Plextor M9Pe SSD series features aesthetics and functionality in one streamlined design and extraordinary heat sink with colorful LED lights that catches every PC gamers' fancy. The highly efficient cooling fins design helps immediately dissipate heat generated by high speed data transmissions, maintaining optimal system performance.

### Designed for the Best Gaming Experience

With the adoption of the latest NVMe PCIe Gen 3 x 4 super high-speed transmission interface, the new M9Pe delivers low latencies, sequential read/write speeds up to 3,200 / 2,100 MB/s and random read/write speeds up to 400,000 / 300,000 IOPS. No matter what you use it for, work, entertainment, or extreme PC gaming, the M9Pe is undoubtedly the best choice you will ever make.

### Superior Quality 3D NAND and Firmware Technologies

The Plextor M9Pe series is equipped with high-performance 64-layer 3D NAND flash and flagship controller chip. Combined with the latest LDPC error correction technology and proprietary cache optimization technology, PlexNitro, the M9Pe delivers ultra high-performance, durability, and stability and reliability.

### Plextor's Flawless Quality Control

The M9Pe series, like any other Plextor SSD, undergoes high standard flawless quality control. Each SSD is demanded to pass rigorous inspections from the world-class advanced SSD testing laboratory to ensure error-free performance. The "Plextor endurance testing mechanism" simulates a range of professional read-write scenarios which proudly promises reliability with astonishing 1.5 million hours of mean time between failures (MTBF).

# M9PeG

M9Pe series SSD

Specification			
Model	PX-256M9PeG	PX-512M9PeG	PX-1TM9PeG
Capacity	256 GB	512 GB	1 TB
Cache	512 MB LPDDR3	512 MB LPDDR3	1024 MB LPDDR3
Controller	Marvell 88SS1093		
NAND Flash	TOSHIBA BiCS3 3D TLC		
Performance (Under Windows NTFS)			
Sequential Read Speed (MB/s)	Up to 3,000	Up to 3,200	Up to 3,200
Sequential Write Speed (MB/s)	Up to 1,000	Up to 2,000	Up to 2,100
Random Read Speed (IOPS)	Up to 180,000	Up to 340,000	Up to 400,000
Random Write Speed (IOPS)	Up to 160,000	Up to 280,000	Up to 300,000
Environment and Reliability			
Power Requirement	DC 3.3V 2.5A (Max.)		
Temperature	0°C ~70°C / 32°F ~ 158°F (Operating)		
MTBF	>1,500,000 Hours		
Endurance (TBW)	160	320	640
Warranty	5 years		
Compatibility			
Operating System	Microsoft Windows 8.1, 10/ Linux OS		
Supported	UL, TUV, FCC, CE, BSMI, VCCI, RCM, KCC, EAC, ROHS, WHQL		
Agency Approval	TRIM, S.M.A.R.T, IO queue, NVMe command		
Command Set Support	M.2 PCIe Gen 3 x 4 with NVM Express		
Interface	Supported		
Form Factor and Connectors			
Form Factor	M.2 2280		
Power Connector	M.2 connector for DC 3.3V input		
Data Connector	M.2 Connector		
Dimension and Weight			
Dimension (L x W x H)	80.00 x 22.80 x 4.70 mm / 3.15 x 0.90 x 0.19 inch		80.00 x 22.80 x 5.3mm / 3.15 x 0.90 x 0.21 inch
Weight (Max.)	13g / 0.46oz		
Package Content			
Drive	256GB / 512GB / 1TB SSD		

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 Z270 Mark 1, Win 10 professional x64

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