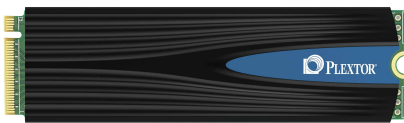


Ultrafast, Dynamic and A thing of Beauty

M8Se Series M.2 2280 NVMe SSD PCIe Gen 3 x4



Product Feature

- Supports the latest generation of NVMe High-Speed Transmission Standard
- Dynamically streamlined, highly efficient heat sink design
- Sequential read/write speed of 2,450/1,000 MB/s; random read/write speeds of 210,000/175,000 IOPS
- Latest generation of LDPC to guarantee accuracy and stability during data transmission
- Exclusive PlexNitro cache technology
- Available in HHHL and M.2 form factors
- Comes in 4 capacities: 128/256/512 GB and 1TB
- 3 year extended warranty to guarantee a worry-free user experience.

Eye-catching, advanced specifications designed with dynamically streamlined technology, the M8Se offers the best cost-performance ratio with the NVMe high-speed transmission interface support and high performance TLC NAND flash adoption. On top of that, the exclusive performance boosting firmware, PlexNitro, is also included.

Streamlined and Efficient Heat Sink Design

Plextor's M8Se series is packed with highly advanced and efficient features in an elegant, highly-streamlined design comparable to the wind tunnel test for race cars. The streamlined heat sink dons a stylish blue and black design provides unparalleled heat conduction capabilities that rapidly expels heat generated by super high-speed data transmission. This effectively helps optimize system resources to deliver full-speed operating conditions.

A New Generation of High-Speed Transmission Standards

The M8Se series is powered by the latest generation NVMe PCIe Gen 3x 4 super high-speed transmission interface that delivers high bandwidth and low latency that allows sequential read/write access speeds of 2,450/1,000 MB/s and random read/write speeds of 210,000/175,000 IOPS. Whether it's for work, fun, or multimedia applications, the M8Se is the perfect solution to speed up your system and provide the ultimate user experience.

Superior Quality TLC Device and Firmware Technology

The keys to Plextor's high quality M8Se series is the TLC NAND flash and flagship controller chip, LDPC error correction technology and the exclusive PlexNitro, write acceleration technology, all combined to provide amazing performance, durability, and stability. Plextor offers advanced TLC SSDs to satisfy consumers' demand for the best cost-performance ratio on the market.

Plextor's Flawless Quality Control

The M8Se series maintains the high standard for flawless quality set by Plextor; it has passed rigorous inspections with the most advanced SSD testing laboratory in the world allowing not a single error or fault (Zero Error). The "Plextor endurance testing mechanism" simulates a range of professional read-write scenarios which guarantees the product of its astonishing 1.5 million hours of mean time between failures (MTBF). Plextor offers a three-year extended warranty and technical support for provide users with a peace of mind.

*** The standard version of M8SeG includes heatsink, and is up to 4.7/5.3mm thick. Check your notebook's requirement before purchase. Or inquire about a version of M8SeGN without heatsink.**

M8Se Series M.2 2280 PCIe Gen 3 x4 with NVMe SSD

Specification				
Model	PX-128M8SeG	PX-256M8SeG	PX-512M8SeG	PX-1T M8SeG
Capacity	128 GB	256 GB	512 GB	1 TB
Cache	512MB LPDDR3	512MB LPDDR3	1024MB LPDDR3	2048MB LPDDR3
Controller	Marvell 88SS1093			
NAND Flash	TOSHIBA 15nm Super High Performance TLC			
Performance (Under Windows NTFS)				
Sequential Read Speed (MB/s)*	Up to 1,850	Up to 2,400	Up to 2,450	Up to 2,450
Sequential Write Speed (MB/s)*	Up to 570	Up to 1,000	Up to 1,000	Up to 1,000
Random Read Speed (IOPS)*	Up to 135,000	Up to 205,000	Up to 210,000	Up to 210,000
Random Write Speed (IOPS)*	Up to 80,000	Up to 160,000	Up to 175,000	Up to 175,000
Environment and Reliability				
Power Requirement	DC 3.3V 3.0A (Max.)			
Temperature	0°C ~ 70°C / 32°F ~ 158°F (Operating)			
MTBF	>1,500,000 Hours			
Endurance (TBW)	80	160	320	640
Warranty	3 years			
Compatibility				
Operating System Supported	Microsoft Windows 8.1, 10/ Linux OS			
Agency Approval	UL, TUV, FCC, CE, BSMI, VCCI, RCM, KCC, EAC, ROHS, WHQL			
Command Set Support	TRIM, S.M.A.R.T., IO queue, NVMe command			
Interface	M.2 PCIe Gen 3 x4 with NVMe Express			
Firmware Upgrade	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/W/H)	80 x 22.8 x 4.7 mm / 3.15 x 0.9 x 0.19 inch			80 x 22.8 x 5.3 mm / 3.15 x 0.9 x 0.21 inch
Weight (Max.)	13g / 0.46oz			
Package Content				
Drive	128GB / 256GB / 512GB / 1TB SSD			

Specifications subject to change without notice.

Actual performance may vary based on hardware, software, and overall system configuration.

* Performance measured using CrystalDiskMark ver.3, IOMETER with queue depth set to 32.

Test Platform: Motherboard: ASUS Z170-Deluxe (Microsoft Windows 10 Professional x64)

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For more information, please visit
www.PLEXTOR.com

Lite-On Technology Corporation
 12F, 392, Ruey Kuang Road
 Neihu Dist., Taipei 114
 Taiwan, R.O.C

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