



Solid State Drive

PCI Express SSD

SSD M6e Series

128GB/256GB/512GB

The Plextor M6e is the first ultra-fast PCI express SSD optimized for professional gamers. Next-generation high-speed components managed by custom-developed firmware maintaining smooth, fast performance and unheard of stability for the perfect gaming platform. The Plextor M6e's PCI express interface delivers maximum sequential read/write speeds of 770/625 MB/s and random read/write speeds of 105K/100K IOPS.

Utilizing a PCI Express 2.0 x2, the Plextor M6e bypasses SATA revision 3.0's 6 Gb/s bottleneck to improve the gaming experience. Automatically recognized as an AHCI device it requires no additional drivers. When used as an ultra-fast boot disk on a system with UEFI, it can halve startup times. Legacy BIOS's are also supported for maximum compatibility and convenience.

The Plextor M6e combines the latest generation Marvell® 88SS9183 dual-core server-grade controller, carefully selected Toshiba Toggle NAND flash, with firmware developed and extensively tested by Plextor's in-house team. The M6e provides extreme reliability with a MTBF calculated at 2.4 million hours after reaching Plextor's Zero-Failure Zero-Error standard during rigorous testing using the world's most advanced SSD testing facilities. Selecting the Plextor M6e gives gamers the smooth ultra-fast professional-grade storage they need to play hard, and the reassurance of Plextor's legendary quality, testing, and rock-solid reliability. The M6e is backed by a five-year warranty and comes in 128 GB, 256 GB, and 512 GB capacities.

Maximum Performance for Gaming

- Latest generation Marvell® 88SS9183 flash controller with multiple cores for efficient performance during intense gaming
- Sequential mode maximum 770 MB/s read and 625 MB/s write speeds for quick, easy editing of large files and fast loading of large levels
- Random mode maximum 105K IOPS read and 100K IOPS write speeds for smooth real-world performance and multi-tasking
- PCI Express 2.0 x2 interface and native PCIe controller chip solves the SATA interface bottleneck maximizing data transfer speeds

Plextor Quality and Reliability

- Extremely reliable with a market-leading mean time between failures (MTBF) calculated at 2.4 million hours
- Stability ensured by putting every single drive through a rigorous testing and burn-in procedure before dispatch from the factory
- Carefully selected high-quality components are assembled to exacting quality standards with advanced in-house developed firmware
- Updated True Speed technology guarantees that the M6e SSD will provide long-term sustained performance

Highly Compatible and Convenient

- Supports both the newer UEFI technology and legacy BIOS's, providing flexibility and compatibility with a wide range of systems
- Full UEFI support allows the system to initiate all storage devices simultaneously, improving efficiency and cutting boot times by half
- Driver-free AHCI (Advanced Host Controller Interface) compatibility eliminates the need for additional drivers

Full Five-year Warranty

- Backed by a full five-year Plextor warranty with the reassurance of a network of repair centers and international technical support

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Performance

Model	PX-AG128M6e	PX-AG256M6e	PX-AG512M6e
Capacity	128GB	256GB	512GB
DRAM Cache	256MB DDR3	512MB DDR3	1GB DDR3
Read/Write Speed (Under Windows NTFS)			
Sequential Read Speed	Up to 770 MB/s	Up to 770 MB/s	Up to 770 MB/s
Sequential Write Speed	Up to 335 MB/s	Up to 580 MB/s	Up to 625 MB/s
Random Read Speed (IOPS 4KB)	Up to 96,000	Up to 105,000	Up to 105,000
Random Write Speed (IOPS 4KB)	Up to 83,000	Up to 100,000	Up to 100,000

Environment and Reliability

Temperature	0°C~70°C (Operating)
Shock	1500G (Max), at 1msec half-sine
Vibration	7~800Hz, 16.3Grms(Non-operating)
MTBF	2,400,000 hours
Warranty	5 years

Compatibility

Operating System Supported	Windows® OS / Linux OS
Agency Approval	BSMI/UL/TUV/C-Tick/CE/KCC/VCCI/FCC/ ROHS/CB
Command Set Support	TRIM, S.M.A.R.T., NCQ
DATA Encryption	AES 256
PCIe	PCIe Gen2 x 2
Firmware Upgrade	Supported

Form Factor and Connectors

Form Factor	Standardized PCIe Card with Half-Height/Half-Length
Power Connector	3.3V input
Data Connector	PCIe connector
Dimension and Weight	
Dimension (W/L/H)	121.04 * 180.98 * 22.39 mm (W*L*H)
Weight	72g Max.

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