

Speed up the Next Generation

M10PY

M10P Series HHHL Add-In-Card 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
- Support ASUS·ASROCK·MSI·GIGABYTE customized RGB lighting software
- 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, M10PY 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. Our innovative heat sink design keeps the PC and gamers amazingly cool. Customized RGB lighting brings the best gaming experience ever.

Supreme Performance

Engineered with PCIe® Gen 4.0 Technology alongside NVMe™, empowered by PlexNitro II exclusive firmware, M10PY 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.

Innovative Heatsink Design

Bespoke heat dissipation fins, applied on Plextor SSD, had been processed with aluminum alloy anodizing technology. The streamlined design takes away the heat generated by high speed data transmission to sustain top-tier performance. The design of streamlined fin looks good. Works great.

Top Notch Components and Exclusive Firmware

High efficient KIOXIA BiCS FLASH™ & pro-level controller assure the durability and reliability of M10PY. 2TB storage capacity is ready for your favorite games and spares more space for next-gen ones. TrueProtect, our exclusive firmware, activates error correction mechanism to maintain data integrity during high speed data transmission.

RGB Lighting Control

M10PY works seamlessly with Asus Aura Sync, AsRock Polychrome Sync, GIGABYTE RGB Fusion 2.0, and MSI Mystic Light Sync customized lighting software. Taking total control of the RGB lighting to create your own style is now possible.

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M10P Series SSD

Specification			
Model	PX-512 M10PY	PX-1T M10PY	PX-2T M10PY
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 12V 1.2A (Max.)		DC 12V 1.3A (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	Standardized PCI Express Card with Half-Height/Half-Length		
Dimensions and Weight			
Dimension (L x W x H)	196.4 x 121.2 x 22.4 mm / 7.73 x 4.77 x 0.88 inch		
Weight	210g / 7.4oz		
Package Content			
Drive	512GB / 1TB / 2TB SSD		
Accessory	Half-Height Bracket		
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

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