

Small in Form, Big in Performance.



LITE-ON MU X1 Series SSD M.2 2280 PCIe Gen 3 x 4

LITE-ON MU X1 SSD with M.2 PCIe interface supports NVMe 1.3 protocol. Built with finely selected 3D NAND flash and customized firmware along with a controller featuring intelligent thermal throttling technology, MU X1 is the best choice for M.2 2280 PCIe SSD.

Product features

- High speed NVMe 1.3 protocol
- Sequential read/write speed up to 3,400 MB/s and 3,000 MB/s
- Premium 3D NAND flash
- Smart thermal throttling technology
- The best choice for PC gaming

High speed NVMe 1.3 specification

LITE-ON MU X1 SSD supports NVMe 1.3 protocol and utilizes PCIe Gen 3 x 4. MU X1 is capable of achieving sequential read / write speed up to 3,400 / 3,000 MB/s. MU X1 delivers the performance that consumers and gamers would expect from high-end setups.

High quality 3D NAND

LITE-ON MU X1 SSD features 3D NAND Flash coupled with customized firmware that promises effective endurance and quality users always demand. Wherever you need a reliable SSD, the MU X1 delivers incredible performance whether for work, entertainment or PC gaming.

Smart thermal sensing technology

The controller on the MU X1 features an intelligent thermal throttling technology that detects operational temperatures. This feature automatically activates when it reaches 80°C, to maintain optimal status and stabilized performance.

The best choice for any PC Build

Building a cost-effective gaming PC or just upgrading your desktop or laptop PC? The MU X1 M.2 2280 form factor is the best choice. With PCIe NVMe 1.3 interface, the MU X1 provides less lags, therefore a more enjoyable gaming experience.

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Specification				
Model	PP5-8D256	PP5-8D512	PP5-GD1024	PP5-GD2048
Capacity	256 GB	512 GB	1 TB	2 TB
Controller	Phison PS5012-E12			
NAND Flash	TOSHIBA BiCS3 3D TLC			
Performance (Under Windows NTFS)				
Sequential Read Speed (MB/s)	Up to 3,100	Up to 3,400	Up to 3,400	Up to 3,400
Sequential Write Speed (MB/s)	Up to 1,000	Up to 2,000	Up to 3,000	Up to 3,000
Random Read Speed (IOPS)	Up to 190,000	Up to 370,000	Up to 430,000	Up to 440,000
Random Write Speed (IOPS)	Up to 270,000	Up to 360,000	Up to 370,000	Up to 380,000
Environment and Reliability				
Power Requirement	DC 3.3V 2.5A (Max.)			
Temperature	0°C ~70°C / 32°F ~ 158°F (Operating)			
TBW	400	800	1,600	3,200
Warranty	3 years			
Compatibility				
Operating System Supported	Microsoft Windows 8.1, 10/ Linux OS			
Agency Approval	FCC, CE, BSMI, VCCI, KCC, EAC, ROHS			
Command Set Support	TRIM, S.M.A.R.T, ECC, Wear Leveling			
Interface	M.2 PCIe Gen 3 x 4 with NVMe Express			
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 22.00 x 2.30 mm / 3.15 x 0.87 x 0.09 inch			
Weight (Max.)	10g / 0.35oz			
Package Content				
Drive	256GB / 512GB / 1TB / 2TB 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

For more information, please visit:
liteonssd.com

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Lite-On Storage is a Strategic Business Group of Lite-On Technology Corporation.

Lite-On Storage is a global leader in the design, development, and manufacturing of Solid State Drives (SSDs) and Optical Disc Drives (ODDs). Lite-On SSDs are designed and developed 100% in-house by Lite-On at their state-of-the-art facilities in Taiwan.

By leveraging partnerships with industry-leading components manufacturers, Lite-On Storage is able to offer customized solutions and superior firmware to a wide range of industries. Lite-On Storage SBG offers an extensive line of SSDs and embedded flash products for PC Client, Industrial Solutions, Automotive, Enterprise, and Cloud Computing, accommodating a variety of interfaces and form factors.

Specifications and data are subject to change without notice.