

Lexar

ENTERPRISE

XP2000 PCIe NVMe M.2 2280 SSD

Product Brief



Capacities

**128GB, 256GB,
512GB, 1TB**

Advanced Features

- PCIe Gen 4 16Gb/s interface with up to 4 lanes
- Compliant with NVMe Revision 1.4
- Supports L1.2 low power consumption
- Supporting initial data acceleration
- Supports online firmware updates
- S.M.A.R.T. data health technology
- Supporting TCG Opal 2.0/2.01
- Supports physical presence SID (PSID)

Applications



Desktops



Laptops



Ultra-thin notebooks



All-in-one Computers



IPC



Gaming laptops

Swift Encryption for Extensive Applications

The Lexar Enterprise XP2000 PCIe NVMe M.2 2280 SSD provides the performance to optimize data security without sacrificing device performance. An intuitive interface allows users to set boot permissions, block management permissions, and set encryption standards to meet the needs of a variety of applications and markets. TCG OPAL 2.0 supports the same security subsystem class (SCC) commands that you'd find in other protocols.

Key Benefits

TCG OPAL 2.0 Encryption

The Lexar Enterprise XP2000 processes information internally to allow fast encryption and decryption, delivering uncompromised performance while minimizing the risk of data leakage. An easy interface allows users to set boot permissions, block management permissions, and quickly restore factory settings.

Optimized Energy Requirements

Low power consumption requirements help maintain a lower power draw without sacrificing performance for a longer lifespan of the device.

Specifications

Product Series	Part Number	Capacity	NAND Flash	Format	Operating Temperature	Protocol	External DRAM Buffer	Max. Sequential R/W	MTBF	Warranty	Max. Power Consumption (Read)	Endurance
XP2000 PCIe SSD	FSB0C128G-B7C0700	128GB	TLC	M.2 2280	0°C to +70°C	Gen4x4	No	Up to 2400MB/s / 760MB/s	>1.5 million hours	3 years	2300mW	83TB
XP2000 PCIe SSD	FSB0C256G-B7C0700	256GB	TLC	M.2 2280	0°C to +70°C	Gen4x4	No	Up to 4900MB/s / 1500MB/s	>1.5 million hours	3 years	3500mW	188TB
XP2000 PCIe SSD	FSB0C512G-B7C0700	512GB	TLC	M.2 2280	0°C to +70°C	Gen4x4	No	Up to 5200MB/s / 3000MB/s	>1.5 million hours	3 years	3700mW	400TB
XP2000 PCIe SSD	FSB0C001T-B7C0700	1TB	TLC	M.2 2280	0°C to +70°C	Gen4x4	No	Up to 5200MB/s / 4700MB/s	>1.5 million hours	3 years	3800mW	833TB

TRIM and S.M.A.R.T functions are supported.
[*] Indicates the maximum read/write performance.
*Data based on internal testing. Actual performance may vary due to equipment differences.