

XP1000 PCIe NVMe Gen3 SSD

Product Brief



Capacities

**128GB, 256GB,
512GB, 1TB, 2TB**

Advanced Features

- Compliant with NVMe Revision 1.4
- In-house firmware design
- Support LDPC ECC engines
- Support online firmware upgrade
- FBA data acceleration technology
- S.M.A.R.T. health monitoring technology

Applications



Desktops



Laptops



All-in-one Computer



**Industrial Internet
Protocol Camera (IPC)**

High-Performance for High-End PCs

Equipped with additional channels to facilitate superior performance, the 3D NAND TLC-based Lexar Enterprise XP1000 PCIe NVMe Gen3 SSD offers the speed, controls, and functionality to meet the needs of demanding environments. Using a sophisticated temperature-controlled thermal throttling algorithm, the XP1000 balances speed and temperature during operation. Thanks to an Intel and Microsoft Modern Standby certification, the XP1000 reaches a lower power consumption to ensure longer service life.

Key Benefits

Performance and Integrity

Sequential read/write speeds up to 3400MB/s and a MTBF of 1.5M hours provide the performance any enterprise needs.

Modern Standby

Certified by Intel and Microsoft Modern Standby, the Lexar Enterprise XP1000 can enter a low power idle mode to pause non-essential applications, and activate with a keystroke.

Temperature Control

The latest advancements for firmware design enables a sophisticated temperature control algorithm to balance speed and temperature during operation.

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
XP1000 PCIe SSD	FSB0C128G-C4C7200	128GB	TLC	M.2 2280	0°C to +70°C	Gen3x4	No	Up to 1600MB/s / 750MB/s	>1.5 million hours	3 years	1900mW	128TB
XP1000 PCIe SSD	FSB0C256G-C4C7200	256GB	TLC	M.2 2280	0°C to +70°C	Gen3x4	No	Up to 3300MB/s / 1500MB/s	>1.5 million hours	3 years	2700mW	256TB
XP1000 PCIe SSD	FSB0C512G-C4C7200A-88Ma4-S	512GB	TLC	M.2 2280	0°C to +70°C	Gen3x4	No	Up to 3400MB/s / 2900MB/s	>1.5 million hours	3 years	2750mW	512TB
XP1000 PCIe SSD	FSB0C001T-C4C7200	1TB	TLC	M.2 2280	0°C to +70°C	Gen3x4	No	Up to 3400MB/s / 3100MB/s	>1.5 million hours	3 years	2800mW	1024TB

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.