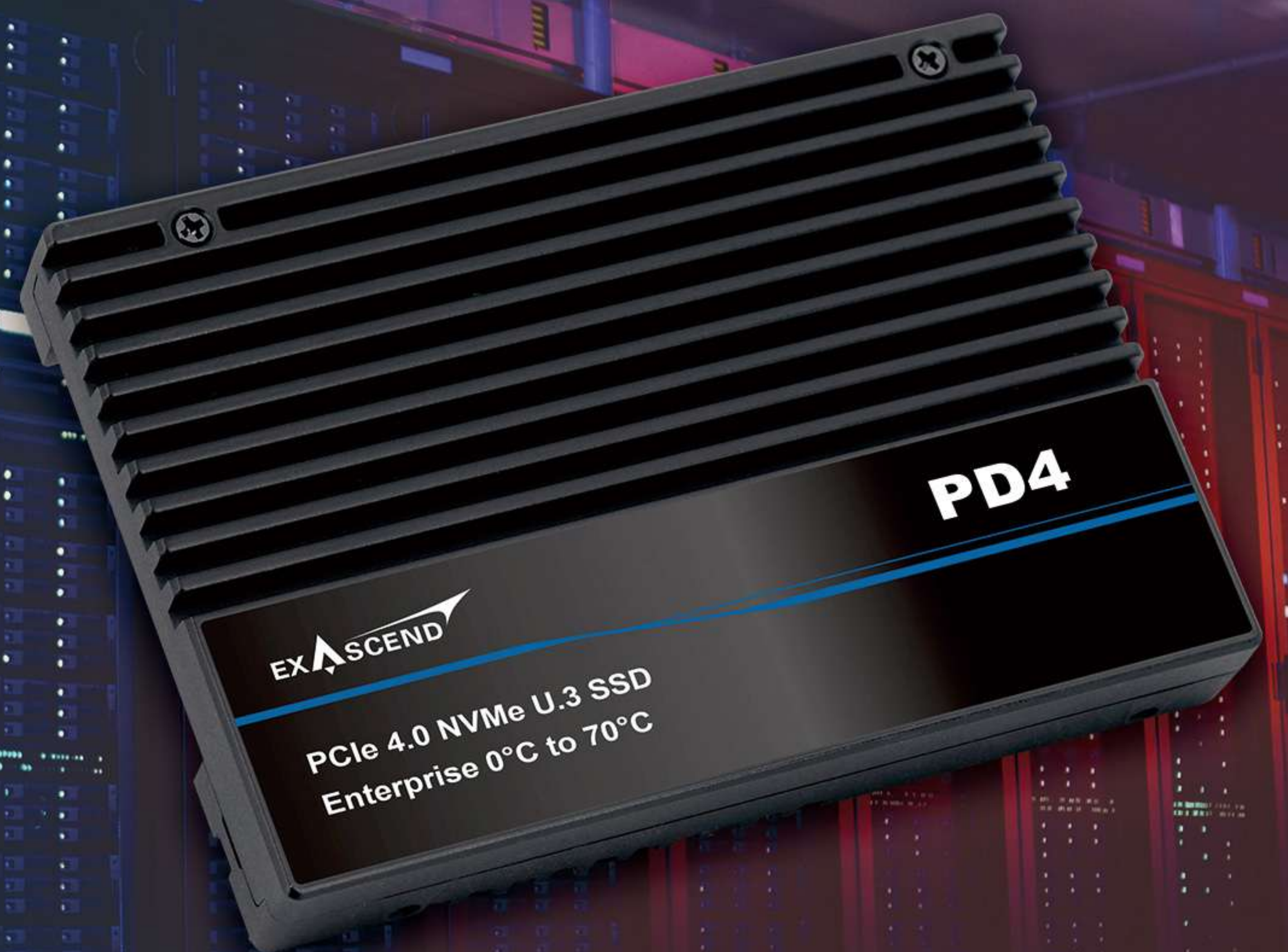


PD4 Series

Powering data centers with high-performance and low-latency PCIe NVMe SSD



**PCIe 4.0
NVMe 1.4**

Interface

**176-layer
3D TLC**

NAND Flash

Up to
30.72TB

Capacity

Up to
7.1GB/s

Throughput

Up to
1,600K

IOPS



High-density storage with superior TLC performance: 25.6 TB for mainstream and 30.72 TB for read-intensive workloads, enabling over 730 TB of storage capacity in a standard 24-bay 2U server



Impressive performance with up to 1,600K /680K IOPS 4K random read/write, 7.1GB/s and 7.0GB/s 128K sequential read/write



Robust drive endurance: ensuring a reliable lifespan of 5 years when subjected to workloads of 1.5 / 3.3 drive writes per day (DWPD).



Available in the 15mm U.3 form factor, backward compatible with U.2



Featuring hardware power loss protection (PLP), full data path protection, AES-256 data encryption, and sanitize erase



Optimized for cloud computing, artificial intelligence (AI), machine learning (ML), content delivery networks (CDN), web streaming, and other I/O-intensive tasks.

Specifications

Edition	PD4 Max (Mixed-use)	PD4 Pro (Read-intensive)
Form factor	U.3 (15mm)	
Capacity	6.4 TB / 12.8 TB / 25.6 TB	7.68 TB / 15.36 TB / 30.72 TB
Sequential Read (128K) up to	7.1 GB/s	7.1 GB/s
Sequential Write (128K) up to	7.0 GB/s	7.0 GB/s
Random Read (4KB) up to	1600K	1600K
Random Write (4KB) up to	680K	420K
Random Read (8KB) up to	850K	850K
Random Write (8KB) up to	400K	220K
DWPD (5 years)	3.3 @ JESD219	1.5 @ JESD219
TBW up to	150,560 TB	82,120 TB

Ordering information

Edition	Part Number	Capacity	Flash	Interface	Form Factor	Operating Temp.
PD4 Pro	EXPD4U7680GB	7.68 TB	3D TLC NAND	PCIe Gen4 / NVMe 1.4	U.3 (15mm)	0°C to 70°C
PD4 Pro	EXPD4U15360GB	15.36 TB				
PD4 Pro	EXPD4U30720GB	30.72 TB				
PD4 Max	EXPD4U6400GB	6.4 TB				
PD4 Max	EXPD4U12800GB	12.8 TB				
PD4 Max	EXPD4U25600GB	25.6 TB				

