

PD5 Series

Boost Your Data Center with PCIe Gen5 U.2 Enterprise SSD

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



**PCIe 5.0
NVMe 2.0**

Interface

**232-layer
3D TLC**

NAND Flash

Up to
15.36TB

Capacity

Up to
14GB/s

Throughput

Up to
2.6M

IOPS (random 4K)



High-density storage with superior 3D TLC performance: 12.8TB for mainstream version and 15.36 TB for read-intensive version.



Robust drive endurance: ensuring a reliable lifespan of 5 years when subjected to mainstream workloads of 3 drive writes per day (DWPD) or read-centric workloads of 1 DWPD*.

*Based on compliance with the JESD219 Enterprise workload.



Impressive performance with up to 2.6M/750K IOPS 4K random read/write, 14/10 GB/s 128K sequential read/write speeds.



Featuring hardware power loss protection (PLP), full data path protection, and TCG Opal 2.0.

Product Specifications

Edition	PD5 Max (Mixed-use)	PD5 Pro (Read-intensive)
Form Factor	U.2 (15mm)	
Capacity	3.2TB / 6.4TB / 12.8TB	3.84TB / 7.68 TB / 15.36 TB
128KB Sequential Read/Write up to	14/10 GB/s	14/10 GB/s
4KB Random Read/Write up to	2.6M/750K IOPS	2.6M/510K IOPS
DWPD (JESD219 enterprise)	3	1
TBW up to	70,080TB	28,032TB
Power Consumption	Active <24W; Idle <8W	
MTBF	2,000,000 hours	
Warranty	5 years	

Ordering Information

Version	Part Number	Capacity
PD5 Max	EXPD5U3200GB	3.2TB
PD5 Max	EXPD5U6400GB	6.4TB
PD5 Max	EXPD5U12800GB	12.8TB
PD5 Pro	EXPD5U3840GB	3.84TB
PD5 Pro	EXPD5U7680GB	7.68TB
PD5 Pro	EXPD5U15360GB	15.36TB