

Seagate Nytro XF1440 2.5" 800 GB PCI Express 3.0 eMLC NVMe

Brand : Seagate

Product code: ST800HM0021

Product name : Nytro XF1440

- PCIe Gen3 x4 interface with NVMe protocol for improved latency, consistent response time and high throughput
 - Best-in-class performance per Watt up to 25,000 IOPS/W enables more computing with less energy consumption
 - Host selectable performance optimization to balance performance and power
 - Industry-leading storage density of up to 1.92TB in a 2.5-inch x 7mm form factor and up to 960GB in a M.2 form factor
 - Optimized for read-intensive and mixed workloads
 - Hot-swappable 2.5-inch SSD with SFF-8639 connector for easy serviceability
 - Power loss data protection circuit to prevent loss of data in the event of unexpected power interruptions
 - End-to-end data protection and LDPC error correction for high level of data integrity and reliability
- 800GB, 2.5", PCIe Gen3 x4 NVMe 1.1b, eMLC, Endurance Optimized
 Seagate Nytro XF1440. SSD capacity: 800 GB, SSD form factor: 2.5", Read speed: 2400 MB/s, Write speed: 900 MB/s, Component for: Universal



Features		Features	
NVMe version	1.1b	Mean time between failures (MTBF)	2000000 h
SSD form factor *	2.5"	Power	
SSD capacity *	800 GB	Operating voltage	12 V
Interface *	PCI Express 3.0	Power consumption (max)	12.5 W
Memory type *	eMLC	Average power consumption (read)	9 W
NVMe *	✓	Average power consumption (write)	9 W
Component for *	Universal	Power consumption (idle)	2.5 W
Target workload	Mixed Use (MU)	Operational conditions	
Read speed	2400 MB/s	Operating temperature (T-T)	0 - 70 °C
Write speed	900 MB/s	Storage temperature (T-T)	-40 - 85 °C
Random read (4KB)	190000 IOPS	Operating shock	1500 G
Random write (4KB)	33000 IOPS	Weight & dimensions	
PCI Express interface data lanes	x4	Width	69.8 mm
Hot-swap	✓	Depth	100.3 mm
End-to-End Data Protection	✓	Height	7 mm
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁶ bits read	Weight	90 g

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