XP1920LE10012

Seagate Nytro 5000 NVME 2.5" 1.92TB SSD Capacity Optimized

Product Overview

Seagate XP1920LE10012 Nytro 5000 NVME 2.5" 1.92TB SSD Capacity Optimized, PCIe Gen3X4, NVMe1.2A, NO ENCRYPTION, 3DcMLC, 2.5"



Specifications

Overview:

- PCIe Gen3 x4 interface with NVMe protocol
- Up to 35,000 IOPS/W performance
- Industry-leading density of up to 1.92TB in 2.5-inch and M.2 form factors
- Host-selectable power optimization
- Multiple namespace support for greater deployment flexibility

Features:

Overcome Data Bottlenecks and Improve QoS

Nytro 5000 SSD is highly optimized for read-intensive and mixed workloads. Incorporating the PCIe Gen3 x4 interface with the NVMe protocol, Nytro 5000 SSD features four times the bandwidth of SATA SSDs, removing data bottlenecks by delivering blistering throughput and IOPS. Nytro 5000 SSD also features sideband management for monitoring the health of the SSDs without introducing latency or disrupting overall throughput.

Increase Storage Density and Efficiency in Data Centers

The low-power Nytro 5000 SSD is offered in both 2.5-inch and M.2 form factors, enabling more computing using minimal space, energy, and cost. The Nytro 5000 SSD is also extremely scalable and space-optimized to reduce TCO. In addition, the Nytro 5000 SSD with the U.2 connector enables effortless serviceability and maintenance with no downtime requirements, and features hot-swap capability for easy addition, removal, or replacement of SSDs.

Enhance Enterprise Reliability, Data Protection, and Security

By leveraging Seagates existing enterprise expertise and manufacturing excellence, Nytro 5000 SSD delivers the highest levels of data integrity, data security, and endurance for critical business applications. Nytro 5000 SSD includes features for end-to-end data protection, LDPC error correction, and Seagate RAISE technology for solid reliability and endurance. Power-loss data protection helps maintain data integrity in the event of unexpected power interruptions. Seagate Secure Self-Encrypting Drive (SED) models1 support the TCG protocol to help companies keep valuable data secure.

Specifications:

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Specifications	
Product Code	XP1920LE10012
Capacity	1.92TB
Standard Model	XP1920LE10002
Seagate Secure SED Model	XP1920LE10012
Features	
Interface	PCIe Gen3 x4, NVMe 1.2a
NAND Flash Type	3D cMLC
Form Factor	2.5 in x 7mm
Performance	
Sequential Read (MB/s) Sustained, 128KB	2000
Sequential Write (MB/s) Sustained, 128KB	1200
Random Read (IOPS) Sustained, 4KB QD64	245000
Random Write (IOPS) Sustained, 4KB QD64	28000
Random 70R/30W (IOPS) Sustained, 4KB QD64	100000
Endurance/Reliability	
Lifetime Endurance (Drive Writes per Day)	0.3
Total Bytes Written (TB)	1050
Nonrecoverable Read Errors per Bits Read	1 per 10E16
Mean Time Between Failures (MTBF, hours)	2000000
Power Management	
+12V Max Power (W)	12.5
+3.3V Max Power (W)	-
Average Read/Write Power (W)	9
Physical	
Height (mm/in, max)	7.0mm/0.275in
Height, Component Top (mm/in, max)	-

Height, Component Bottom (mm/in, max)	-
Width (mm/in)	69.85mm/2.75in
Depth (mm/in)	100.35mm/3.951in
Weight (g/lb)	90g/0.198lb
Carton Unit Quantity	10
Cartons per Pallet/Cartons per Layer	40/5

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/XP1920LE10012-Seagate-Nytro-5000-NVME-2-5-1-92TB-SSD-Capacity-Optimized-p-212133.php

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