



M.2 SSD DATA SHEET

NyTRO 4350

Consistent high performance for the modern data centre.



The Seagate NyTRO[®] 4350 NVMe[™] SSD brings consistent application performance and TCO savings to data centres with its small form factor, low latency and power consumption and high QoS.



Best-Fit Applications

- Server Boot
- Cloud Computing
- Caching

Key Advantages

Best-in-class performance PCIe Gen4 NVMe[™] SSD provides 10x the bandwidth of SATA SSDs

Wide range of capacities up to 1.92 TB supporting PCIe Gen4 NVMe interface and M.2 2280 form factor

Enhanced durability and reliability with 1 DWPD at 2M hours MTBF

Boost the read/write performance of QoS and data centre applications

Less energy with low power consumption for 24x7 operations

Be protected and rest easy with included power loss data protection

Supports TCG Pyrite offering password security to protect user data



Specifications	1.92 TB	960 GB	480 GB
Standard Model (TCG Pyrite)	XP1920SE30001	XP960SE30001	XP480SE30001
Features			
Interface	PCIe Gen4 x4, NVMe 1.4	PCIe Gen4 x4, NVMe 1.4	PCIe Gen4 x4, NVMe 1.4
NAND Flash Type	3D eTLC	3D eTLC	3D eTLC
Form Factor	M.2 2280	M.2 2280	M.2 2280
Performance			
Sequential Read (MB/s) Sustained, 128 KB ¹	5,500	5,500	5,500
Sequential Write (MB/s) Sustained, 128 KB ¹	2,000	1,400	700
Random Read (IOPS) Sustained, 4 KB ²	800,000	600,000	400,000
Random Write (IOPS) Sustained, 4KB ²	58,000	34,000	17,000
Average Read Latency (µs), 4 KB QD1	75	75	75
Average Write Latency (µs), 4 KB QD1	30	30	40
Endurance/Reliability			
Lifetime Endurance (Drive Writes per Day)	1	1	1
Total Bytes Written (TB)	3,800	1,890	936
Non-recoverable Read Errors per Bits Read	1 per 10E17	1 per 10E17	1 per 10E17
Mean Time Between Failures (MTBF, hours)	2,000,000	2,000,000	2,000,000
Warranty, Limited (years)	5	5	5
Power Management			
3.3V Overall Average Active Power (W)	10.7	8.1	6.3
Average Idling Power (W)	3.4	3.2	3.1
Environmental			
Temperature, Operating Internal (°C)	0°C – 70°C	0°C – 70°C	0°C – 70°C
Temperature, Non-operating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C
Temperature Change Rate/Hr, Max (°C)	30°C per hour	30°C per hour	30°C per hour
Shock, 0.5ms (Gs)	1,500 Gs	1,500 Gs	1,500 Gs
Physical			
Height (mm/in, max)	4.08 mm/0.160 in	4.08 mm/0.160 in	4.08 mm/0.160 in
Height, Component Top (mm/in, max)	1.60 mm/0.062 in	1.60 mm/0.062 in	1.60 mm/0.062 in
Height, Component Bottom (mm/in, max)	1.60 mm/0.062 in	1.60 mm/0.062 in	1.60 mm/0.062 in
Width (mm/in, max)	22.15 mm/0.872 in	22.15 mm/0.872 in	22.15 mm/0.872 in
Length (mm/in, max)	80.15 mm/3.155 in	80.15 mm/3.155 in	80.15 mm/3.155 in
Weight (g/lb, max)	10 g/0.022 lb	10 g/0.022 lb	10 g/0.022 lb
Carton Unit Quantity	20	20	20

¹ Sequential performance measured at queue depth of 32 at beginning of life. System application performance may vary based on host and prior system workload.

² Random performance measured at queue depth of 256 at beginning of life. System application performance may vary based on host and prior system workload.

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