



2.5-in SSD DATA SHEET

More Computing. Better Value.

Nytro 1370 SATA SSD Series

Nytro 1370 SATA SSDs deliver consistent throughput, low latency, and enterprise-grade reliability for demanding workloads. With capacities up to 15 TB and proven SATA compatibility, they provide a cost-effective path to upgrade legacy and modern infrastructures.

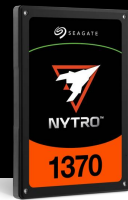


Best-Fit Applications

- Tiered storage analytics
- Web server
- Cloud
- Database

Key Advantages

- Cost-effective SATA SSD storage for data centres
- High-capacity options up to 15 TB for scalability
- Enterprise-grade endurance for read-intensive workloads
- Power-loss data protection for data integrity
- Backed by a 5-year limited warranty

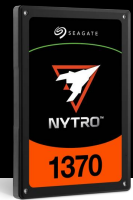


Specifications	Nytro 1370 SATA SSD				
Capacity	15.36 TB	7.68 TB	3.84 TB	1.92 TB	960 GB
Standard Model	XA15360LE10007	XA7680LE10007	XA3840LE10007	XA1920LE10007	XA960LE10007
Features					
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
NAND Flash Type	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Form Factor	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm	2.5 in × 7 mm
Performance					
Sequential Read (MB/s) Sustained, 128 KB QD32 ^{1,2}	530	530	530	530	530
Sequential Write (MB/s) Sustained, 128KB QD32 ^{1,2}	500	500	500	500	500
Random Read (IOPS) Sustained, 4 KB QD32 ^{1,2}	94,000	98,000	98,000	98,000	98,000
Random Write (IOPS) Sustained, 4 KB QD32 ^{1,2}	10,000	19,000	30,000	35,000	30,000
Average Read Latency (µs), 4 KB QD1 ^{1,2}	175	120	105	110	105
Average Write Latency (µs), 4KB QD1 ^{1,2}	70	40	30	30	30
Endurance/Reliability					
Lifetime Endurance (Drive Writes per Day)	1	1	1	1	1
Total Bytes Written (TB)	28,032	14,016	7,008	3,504	1,752
Non-recoverable Read Errors per Bits Read	1 per 10E17	1 per 10E17	1 per 10E17	1 per 10E17	1 per 10E17
Mean Time Between Failures (MTBF, hours)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Warranty, Limited (years) ³	5	5	5	5	5
Power Management					
+5V Active Max Average Read Power (W)	5.6	3.1	3.0	2.6	2.5
+5V Active Max Average Write Power (W)	3.6	4.8	3.9	3.5	3.2
Max Average Idle Power (W)	1.9	1.7	1.7	1.5	1.4
Environmental					
Temperature, Operating Internal (°C)	0 to 70	0 to 70	0 to 70	0 to 70	0 to 70
Temperature, Non-operating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500	1,500	1,500
Physical					
Height (mm/in, max)	7.10 mm/0.279 in	7.10 mm/0.279 in	7.10 mm/0.279 in	7.10 mm/0.279 in	7.10 mm/0.279 in
Width (mm/in, max)	70.10 mm/2.760 in	70.10 mm/2.760 in	70.10 mm/2.760 in	70.10 mm/2.760 in	70.10 mm/2.760 in
Depth (mm/in, max)	100.35 mm/3.950 in	100.35 mm/3.950 in	100.35 mm/3.950 in	100.35 mm/3.950 in	100.35 mm/3.950 in
Weight (lb/g)	39g/0.085lb	29g/0.063lb	29g/0.063lb	25g/0.055lb	25g/0.055lb
Carton Unit Quantity	10	10	10	10	10

¹ Performance data is based on testing under certain workload conditions and is subject to change.

² System variations and HBA used will affect measured results.

³ Refer to Product Manual for more detailed warranty information.



Specifications	Nytro 1370 SATA SSD
Capacity	480 GB
Standard Model	XA480LE10007
Features	
Interface	SATA 6 Gb/s
NAND Flash Type	3D TLC
Form Factor	2.5 in x 7 mm
Performance	
Sequential Read (MB/s) Sustained, 128 KB QD32 ^{1,2}	530
Sequential Write (MB/s) Sustained, 128KB QD32 ^{1,2}	450
Random Read (IOPS) Sustained, 4 KB QD32 ^{1,2}	94,000
Random Write (IOPS) Sustained, 4 KB QD32 ^{1,2}	24,000
Average Read Latency (µs), 4 KB QD1 ^{1,2}	105
Average Write Latency (µs), 4KB QD1 ^{1,2}	40
Endurance/Reliability	
Lifetime Endurance (Drive Writes per Day)	1
Total Bytes Written (TB)	876
Non-recoverable Read Errors per Bits Read	1 per 10E17
Mean Time Between Failures (MTBF, hours)	2,000,000
Warranty, Limited (years) ³	5
Power Management	
+5V Active Max Average Read Power (W)	2.3
+5V Active Max Average Write Power (W)	3.1
Max Average Idle Power (W)	1.3
Environmental	
Temperature, Operating Internal (°C)	0 to 70
Temperature, Non-operating (°C)	-40°C – 85°C
Shock, Non-operating: 0.5 ms (Gs)	1,500
Physical	
Height (mm/in, max)	7.10 mm/0.279 in
Width (mm/in, max)	70.10 mm/2.760 in
Depth (mm/in, max)	100.35 mm/3.950 in
Weight (lb/g)	24g/0.529lb
Carton Unit Quantity	10

¹ Performance data is based on testing under certain workload conditions and is subject to change.

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