



2.5-in SSD DATA SHEET

More Computing. Better Value.

## NyTRO 1361 SATA SSD Series



Harnessing 112-layer BiCS5 NAND in a SATA 6 Gb/s interface for read-intensive applications, the Seagate® NyTRO® 1361 SATA SSD offers easy deployment, high performance with 1 DWPD, low power consumption, power loss data protection, 2M hours MTBF, and optional SED security.



### Key Advantages

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Take advantage of a plug-and-play SATA 6 Gb/s interface for legacy environments

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Feel confident in a solution built to reliably endure 1 DWPD

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

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Require less energy with low power consumption for 24×7 operations

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Rest easy with included power loss data protection

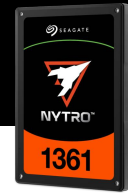
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Choose available SED models for advanced security<sup>1</sup>

<sup>1</sup> Self-Encrypting Drives (SED) are not available in all models or countries. May require TCG-compliant host or controller support.

### Best-Fit Applications

- Tiered storage analytics
- Web server
- Cloud
- Database



Specifications	Nytro 1361 SATA SSD			
Capacity	3.84 TB	1.92 TB	960GB	480GB
Standard Model	XA3840LE10006	XA1920LE10006	XA960LE10006	XA480LE10006
SED Model (TCG Opal) <sup>1</sup>	XA3840LE10016	XA1920LE10016	XA960LE10016	XA480LE10016
<b>Features</b>				
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
NAND Flash Type	3D TLC	3D TLC	3D TLC	3D TLC
Form Factor	2.5 in x 7 mm	2.5 in x 7 mm	2.5 in x 7 mm	2.5 in x 7 mm
<b>Performance</b>				
Sequential Read (MB/s) Sustained, 128 KB QD32 <sup>2,3</sup>	530	530	530	530
Sequential Write (MB/s) Sustained, 128 KB QD32 <sup>2,3</sup>	500	500	500	450
Random Read (IOPS) Sustained, 4 KB QD32 <sup>2,3</sup>	94,000	94,000	94,000	94,000
Random Write (IOPS) Sustained, 4 KB QD32 <sup>2,3</sup>	68,000	72,000	62,000	37,000
Average Read Latency (µs), 4 KB QD1 <sup>2,3</sup>	130	120	130	130
Average Write Latency (µs), 4 KB QD1 <sup>2,3</sup>	40	30	50	40
<b>Endurance/Reliability</b>				
Lifetime Endurance (Drive Writes per Day)	1	1	1	1
Total Bytes Written (TB)	6,924	3,806	1,829	865
Non-recoverable Read Errors per Bits Read	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
Warranty, Limited (years) <sup>4</sup>	5	5	5	5
<b>Power Management</b>				
+5V Active Max Average Power (W)	5.8	5.1	4.5	3.5
Max Average Idle Power (W)	2	1.8	1.6	1.5
<b>Environmental</b>				
Temperature, Operating Internal (°C)	0°C – 70°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	-40°C – 85°C
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500	1,500	1,500
<b>Physical</b>				
Height (mm/in, max)	7.1 mm/0.279 in	7.1 mm/0.279 in	7.1 mm/0.279 in	7.1 mm/0.279 in
Width (mm/in, max)	70.1 mm/2.76 in	70.1 mm/2.76 in	70.1 mm/2.76 in	70.1 mm/2.76 in
Depth (mm/in, max)	100.35 mm/3.95 in	100.35 mm/3.95 in	100.35 mm/3.95 in	100.35 mm/3.95 in
Weight (lb/g)	67 g/0.148 lb	61 g/0.134 lb	58 g/0.128 lb	57 g/0.126 lb
Carton Unit Quantity	10	10	10	10

<sup>1</sup> Self-Encrypting Drives (SED) are not available in all models or countries. May require TCG-compliant host or controller support.

<sup>2</sup> Performance data is based on testing under certain workload conditions and is subject to change.

<sup>3</sup> System variations and HBA used will affect measured results.

<sup>4</sup> Refer to Product Manual for more detailed warranty information.

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