



2.5-in SSD DATA SHEET

More Computing. Better Value.

NyTRO 1361 SATA SSD Series



Harnessing 112-layer BiCS5 NAND in a SATA 6Gb/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.



Best-Fit Applications

- Tiered storage analytics
- Web server
- Cloud
- Database

Key Advantages

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

Feel confident in a solution built to reliably endure 1 DWPD

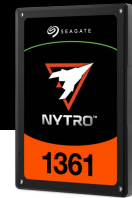
Boost the read/write performance of QoS and data center applications

Require less energy with low power consumption for 24x7 operations

Rest easy with included power loss data protection

Choose available SED models for advanced security¹

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



Specifications	Nytro 1361 SATA SSD			
Capacity	3.84TB	1.92TB	960GB	480GB
Standard Model	XA3840LE10006	XA1920LE10006	XA960LE10006	XA480LE10006
SED Model (TCG Opal) ¹	XA3840LE10016	XA1920LE10016	XA960LE10016	XA480LE10016
Features				
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 × 7mm	2.5 in × 7mm	2.5 in × 7mm	2.5 in × 7mm
Performance				
Sequential Read (MB/s) Sustained, 128KB QD32 ^{2,3}	530	530	530	530
Sequential Write (MB/s) Sustained, 128KB QD32 ^{2,3}	500	500	500	450
Random Read (IOPS) Sustained, 4KB QD32 ^{2,3}	94,000	94,000	94,000	94,000
Random Write (IOPS) Sustained, 4KB QD32 ^{2,3}	68,000	72,000	62,000	37,000
Average Read Latency (µs), 4KB QD1 ^{2,3}	130	120	130	130
Average Write Latency (µs), 4KB QD1 ^{2,3}	40	30	50	40
Endurance/Reliability				
Lifetime Endurance (Drive Writes per Day)	1	1	1	1
Total Bytes Written (TB)	6,924	3,806	1,829	865
Nonrecoverable 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) ⁴	5	5	5	5
Power Management				
+5V Active Max Average Power (W)	5.8	5.1	4.5	3.5
Max Average Idle Power (W)	2.0	1.8	1.6	1.5
Environmental				
Temperature, Operating Internal (°C)	0°C – 70°C	0°C – 70°C	0°C – 70°C	0°C – 70°C
Temperature, Nonoperating (°C)	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C	-40°C – 85°C
Shock, Nonoperating: 0.5ms (Gs)	1500	1500	1500	1500
Physical				
Height (mm/in, max)	7.10mm/0.279in	7.10mm/0.279in	7.10mm/0.279in	7.10mm/0.279in
Width (mm/in, max)	70.10mm/2.760in	70.10mm/2.760in	70.10mm/2.760in	70.10mm/2.760in
Depth (mm/in, max)	100.35mm/3.950in	100.35mm/3.950in	100.35mm/3.950in	100.35mm/3.950in
Weight (g/lb)	67.0g/0.148lb	61.0g/0.134lb	58.0g/0.128lb	57.0g/0.126lb
Carton Unit Quantity	10	10	10	10

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

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

³ System variations and HBA used will affect measured results.

⁴ Refer to Product Manual for more detailed warranty information.

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