



2.5-in SSD DATA SHEET

Built for Fast Data Centre Applications

NyTRO 3032 SAS SSD Series



The Seagate® NyTRO® 3032 SAS SSD delivers up to 15 TB in a 2.5-in × 15 mm form factor, a 12 Gb/s interface with dual ports for speeds up to 2,200 MB/s, drive monitoring, government-grade encryption, and up to 10 DWPD for fast, scalable, secure performance for demanding enterprise workloads.



Key Advantages

12 Gb/s SAS interface and dual ports for 24×7 performance

High-density capacities of up to 15 TB in a 2.5-in × 15 mm form factor

Low latency and high QoS for better responsiveness and user experience

Easily manage and monitor SSD health with SeaChest

Three endurance options to meet workload, deployment and TCO demands

Ensures reliable data protection for mission-critical applications

Seagate Secure™ with Secure Download and Diagnostics (SD&D), SED, and SED FIPS 140-2 options for advanced data security¹

Built for easy integration with Linux and Microsoft OS

Best-Fit Applications

- Server virtualisation
- OLTP databases
- Software-defined storage
- All-flash arrays
- Caching and tiering

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



| Specifications | Nytro 3332 — Scaled Endurance | | | | |
|--|-------------------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity | 15.36TB | 7.68TB | 3.84TB | 1.92TB | 960GB |
| Standard Model | XS15360SE70084 | XS7680SE70084 | XS3840SE70084 | XS1920SE70084 | XS960SE70084 |
| Seagate Secure™ SED Model ¹ | XS15360SE70094 | XS7680SE70094 | XS3840SE70094 | XS1920SE70094 | XS960SE70094 |
| Seagate Secure FIPS 140-2/Common Criteria Model ¹ | XS15360SE70104 | XS7680SE70104 | XS3840SE70104 | XS1920SE70104 | XS960SE70104 |
| Seagate Instant Secure Erase (ISE) Model | XS15360SE70114 | XS7680SE70114 | XS3840SE70114 | XS1920SE70114 | XS960SE70114 |
| Features | | | | | |
| Interface (Dual Port) | 12 Gb/s SAS | 12 Gb/s SAS | 12 Gb/s SAS | 12 Gb/s SAS | 12 Gb/s SAS |
| NAND Flash Type | 3D eTLC | 3D eTLC | 3D eTLC | 3D eTLC | 3D eTLC |
| Form Factor | 2.5 in × 15 mm | 2.5 in × 15 mm | 2.5 in × 15 mm | 2.5 in × 15 mm | 2.5 in × 15 mm |
| Performance — Single Port 12 Gb/s | | | | | |
| Sequential Read (MB/s) Sustained, 128 KB ² | 1,050 | 1,100 | 1,100 | 1,100 | 1,100 |
| Sequential Write (MB/s) Sustained, 128 KB ² | 950 | 1,000 | 1,000 | 1,000 | 950 |
| Random Read (IOPS) Sustained, 4 KB ² | 120,000 | 170,000 | 180,000 | 180,000 | 170,000 |
| Random Write (IOPS) Sustained, 4 KB ² | 16,000 | 80,000 | 85,000 | 85,000 | 70,000 |
| Random 30% Write (IOPS) Sustained, 4 KB ² | 46,000 | 160,000 | 160,000 | 150,000 | 130,000 |
| Performance — Dual Port 12 Gb/s | | | | | |
| Sequential Read (MB/s) Sustained, 128 KB ² | 2,100 | 2,000 | 2,200 | 2,200 | 2,150 |
| Sequential Write (MB/s) Sustained, 128 KB ² | 1,000 | 1,650 | 1,650 | 1,650 | 1,300 |
| Random Read (IOPS) Sustained, 4 KB ² | 150,000 | 240,000 | 240,000 | 230,000 | 210,000 |
| Random Write (IOPS) Sustained, 4 KB ² | 20,000 | 80,000 | 85,000 | 85,000 | 70,000 |
| Random 30% Write (IOPS) Sustained, 4 KB ² | 46,000 | 160,000 | 160,000 | 160,000 | 140,000 |
| Endurance/Reliability | | | | | |
| Lifetime Endurance (Drive Writes per Day) | 1 | 1 | 1 | 1 | 1 |
| Total Bytes Written (TB) | 28,000 | 14,000 | 7,000 | 3,500 | 1,700 |
| 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, hrs) | 2.5 Million | 2.5 Million | 2.5 Million | 2.5 Million | 2.5 Million |
| Annualised Failure Rate (AFR) | 0.35% | 0.35% | 0.35% | 0.35% | 0.35% |
| Warranty, Limited (years) | 5 | 5 | 5 | 5 | 5 |
| Power Management | | | | | |
| +5/+12 V Max Start Current (A) | 0.80/0.21 | 0.80/0.21 | 0.80/0.21 | 0.80/0.21 | 0.80/0.21 |
| Average Idling Power (W) | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| Physical | | | | | |
| Height (in/mm, max) ³ | 0.591 in/15 mm | 0.591 in/15 mm | 0.591 in/15 mm | 0.591 in/15 mm | 0.591 in/15 mm |
| Width (in/mm, max) ³ | 2.76 in/70.1 mm | 2.76 in/70.1 mm | 2.76 in/70.1 mm | 2.76 in/70.1 mm | 2.76 in/70.1 mm |
| Depth (in/mm, max) ³ | 3.955 in/100.45 mm | 3.955 in/100.45 mm | 3.955 in/100.45 mm | 3.955 in/100.45 mm | 3.955 in/100.45 mm |
| Weight (lb/g) | 0.364 lb/165 g | 0.364 lb/165 g | 0.364 lb/165 g | 0.364 lb/165 g | 0.364 lb/165 g |
| Carton Unit Quantity | 10 | 10 | 10 | 10 | 10 |
| Cartons per Pallet | 90 | 90 | 90 | 90 | 90 |
| Cartons per Layer | 9 | 9 | 9 | 9 | 9 |

¹ Not all drives may be available in all countries. Seagate Secure drives meet ISO/IEC 27040 and NIST 800-88 standards and may require use of TCG-compliant host or controller support.

² All performance measured at queue depth of 32 per PHY at beginning of life. System application performance may vary based on SAS host and prior system workload.

³ These base deck dimensions conform to the Small Form Factor Standard (SFF-8201) found at www.sffcommittee.org. For connector-related dimensions, see SFF-8223 (SAS models).



| Specifications | Nytro 3532 — Mixed Workloads | | | |
|--|------------------------------|--------------------|--------------------|--------------------|
| Capacity | 6.4TB | 3.2TB | 1.6TB | 800GB |
| Standard Model | XS6400LE70084 | XS3200LE70084 | XS1600LE70084 | XS800LE70084 |
| Seagate Secure™ SED Model ¹ | XS6400LE70094 | XS3200LE70094 | XS1600LE70094 | XS800LE70094 |
| Seagate Secure FIPS 140-2/Common Criteria Model ¹ | — | XS3200LE70104 | XS1600LE70104 | XS800LE70104 |
| Seagate Instant Secure Erase (ISE) Model | XS6400LE70114 | XS3200LE70114 | XS1600LE70114 | XS800LE70114 |
| Features | | | | |
| Interface (Dual Port) | 12 Gb/s SAS | 12 Gb/s SAS | 12 Gb/s SAS | 12 Gb/s SAS |
| NAND Flash Type | 3D eTLC | 3D eTLC | 3D eTLC | 3D eTLC |
| Form Factor | 2.5 in x 15 mm | 2.5 in x 15 mm | 2.5 in x 15 mm | 2.5 in x 15 mm |
| Performance — Single Port 12 Gb/s | | | | |
| Sequential Read (MB/s) Sustained, 128 KB ² | 1,100 | 1,100 | 1,100 | 1,100 |
| Sequential Write (MB/s) Sustained, 128 KB ² | 1,000 | 1,000 | 1,000 | 950 |
| Random Read (IOPS) Sustained, 4 KB ² | 170,000 | 180,000 | 180,000 | 170,000 |
| Random Write (IOPS) Sustained, 4 KB ² | 120,000 | 130,000 | 130,000 | 120,000 |
| Random 30% Write (IOPS) Sustained, 4 KB ² | 170,000 | 170,000 | 170,000 | 150,000 |
| Performance — Dual Port 12 Gb/s | | | | |
| Sequential Read (MB/s) Sustained, 128 KB ² | 2,200 | 2,200 | 2,200 | 2,150 |
| Sequential Write (MB/s) Sustained, 128 KB ² | 1,650 | 1,650 | 1,650 | 1,300 |
| Random Read (IOPS) Sustained, 4 KB ² | 240,000 | 240,000 | 230,000 | 210,000 |
| Random Write (IOPS) Sustained, 4 KB ² | 120,000 | 130,000 | 130,000 | 120,000 |
| Random 30% Write (IOPS) Sustained, 4 KB ² | 220,000 | 220,000 | 220,000 | 170,000 |
| Endurance/Reliability | | | | |
| Lifetime Endurance (Drive Writes per Day) | 3 | 3 | 3 | 3 |
| Total Bytes Written (TB) | 35,000 | 17,500 | 8,700 | 4,400 |
| Non-recoverable Read Errors per Bits Read | 1 per 10E17 | 1 per 10E17 | 1 per 10E17 | 1 per 10E17 |
| Mean Time Between Failures (MTBF, hrs) | 2.5 Million | 2.5 Million | 2.5 Million | 2.5 Million |
| Annualised Failure Rate (AFR) | 0.35% | 0.35% | 0.35% | 0.35% |
| Warranty, Limited (years) | 5 | 5 | 5 | 5 |
| Power Management | | | | |
| +5/+12 V Max Start Current (A) | 0.80/0.21 | 0.80/0.21 | 0.80/0.21 | 0.80/0.21 |
| Average Idling Power (W) | 4.6 | 4.6 | 4.6 | 4.6 |
| Physical | | | | |
| Height (in/mm, max) ³ | 0.591 in/15 mm | 0.591 in/15 mm | 0.591 in/15 mm | 0.591 in/15 mm |
| Width (in/mm, max) ³ | 2.76 in/70.1 mm | 2.76 in/70.1 mm | 2.76 in/70.1 mm | 2.76 in/70.1 mm |
| Depth (in/mm, max) ³ | 3.955 in/100.45 mm | 3.955 in/100.45 mm | 3.955 in/100.45 mm | 3.955 in/100.45 mm |
| Weight (lb/g) | 0.364 lb/165 g | 0.364 lb/165 g | 0.364 lb/165 g | 0.364 lb/165 g |
| Carton Unit Quantity | 10 | 10 | 10 | 10 |
| Cartons per Pallet | 90 | 90 | 90 | 90 |
| Cartons per Layer | 9 | 9 | 9 | 9 |

¹ Not all drives may be available in all countries. Seagate Secure drives meet ISO/IEC 27040 and NIST 800-88 standards and may require use of TCG-compliant host or controller support.

² All performance measured at queue depth of 32 per PHY at beginning of life. System application performance may vary based on SAS host and prior system workload.

³ These base deck dimensions conform to the Small Form Factor Standard (SFF-8201) found at www.sffcommittee.org. For connector-related dimensions, see SFF-8223 (SAS models).



| Specifications | Nytro 3732 — Write Intensive | | | |
|--|------------------------------|--------------------|--------------------|--------------------|
| Capacity | 3.2TB | 1.6TB | 800GB | 400GB |
| Standard Model | XS3200ME70084 | XS1600ME70084 | XS800ME70084 | XS400ME70084 |
| Seagate Secure™ SED Model ¹ | XS3200ME70094 | XS1600ME70094 | XS800ME70094 | XS400ME70094 |
| Seagate Secure FIPS 140-2/Common Criteria Model ¹ | XS3200ME70104 | XS1600ME70104 | — | — |
| Seagate Instant Secure Erase (ISE) Model | XS3200ME70114 | XS1600ME70114 | XS800ME70114 | XS400ME70114 |
| Features | | | | |
| Interface (Dual Port) | 12 Gb/s SAS | 12 Gb/s SAS | 12 Gb/s SAS | 12 Gb/s SAS |
| NAND Flash Type | 3D eTLC | 3D eTLC | 3D eTLC | 3D eTLC |
| Form Factor | 2.5 in x 15 mm | 2.5 in x 15 mm | 2.5 in x 15 mm | 2.5 in x 15 mm |
| Performance — Single Port 12 Gb/s | | | | |
| Sequential Read (MB/s) Sustained, 128 KB ² | 1,100 | 1,100 | 1,100 | 1,100 |
| Sequential Write (MB/s) Sustained, 128 KB ² | 1,000 | 1,000 | 1,000 | 950 |
| Random Read (IOPS) Sustained, 4 KB ² | 170,000 | 180,000 | 180,000 | 170,000 |
| Random Write (IOPS) Sustained, 4 KB ² | 200,000 | 200,000 | 200,000 | 200,000 |
| Random 30% Write (IOPS) Sustained, 4 KB ² | 190,000 | 190,000 | 190,000 | 180,000 |
| Performance — Dual Port 12 Gb/s | | | | |
| Sequential Read (MB/s) Sustained, 128 KB ² | 2,200 | 2,200 | 2,200 | 2,150 |
| Sequential Write (MB/s) Sustained, 128 KB ² | 1,650 | 1,650 | 1,650 | 1,300 |
| Random Read (IOPS) Sustained, 4 KB ² | 240,000 | 240,000 | 220,000 | 200,000 |
| Random Write (IOPS) Sustained, 4 KB ² | 200,000 | 200,000 | 200,000 | 200,000 |
| Random 30% Write (IOPS) Sustained, 4 KB ² | 260,000 | 260,000 | 250,000 | 200,000 |
| Endurance/Reliability | | | | |
| Lifetime Endurance (Drive Writes per Day) | 10 | 10 | 10 | 10 |
| Total Bytes Written (TB) | 58,400 | 29,200 | 14,600 | 7,300 |
| Non-recoverable Read Errors per Bits Read | 1 per 10E17 | 1 per 10E17 | 1 per 10E17 | 1 per 10E17 |
| Mean Time Between Failures (MTBF, hrs) | 2.5 Million | 2.5 Million | 2.5 Million | 2.5 Million |
| Annualised Failure Rate (AFR) | 0.35% | 0.35% | 0.35% | 0.35% |
| Warranty, Limited (years) | 5 | 5 | 5 | 5 |
| Power Management | | | | |
| +5/+12 V Max Start Current (A) | 0.80/0.21 | 0.80/0.21 | 0.80/0.21 | 0.80/0.21 |
| Average Idling Power (W) | 4.6 | 4.6 | 4.6 | 4.6 |
| Physical | | | | |
| Height (in/mm, max) ³ | 0.591 in/15 mm | 0.591 in/15 mm | 0.591 in/15 mm | 0.591 in/15 mm |
| Width (in/mm, max) ³ | 2.76 in/70.1 mm | 2.76 in/70.1 mm | 2.76 in/70.1 mm | 2.76 in/70.1 mm |
| Depth (in/mm, max) ³ | 3.955 in/100.45 mm | 3.955 in/100.45 mm | 3.955 in/100.45 mm | 3.955 in/100.45 mm |
| Weight (lb/g) | 0.364 lb/165 g | 0.364 lb/165 g | 0.364 lb/165 g | 0.364 lb/165 g |
| Carton Unit Quantity | 10 | 10 | 10 | 10 |
| Cartons per Pallet | 90 | 90 | 90 | 90 |
| Cartons per Layer | 9 | 9 | 9 | 9 |

¹ Not all drives may be available in all countries. Seagate Secure drives meet ISO/IEC 27040 and NIST 800-88 standards and may require use of TCG-compliant host or controller support.

² All performance measured at queue depth of 32 per PHY at beginning of life. System application performance may vary based on SAS host and prior system workload.

³ These base deck dimensions conform to the Small Form Factor Standard (SFF-8201) found at www.sffcommittee.org. For connector-related dimensions, see SFF-8223 (SAS models).

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