



DATA SHEET

Powerful performance. Proven technology. Scalable design.

Exos X20

"Designed with the highest rack-space efficiency and protected with Seagate Secure Exos X20 offers extreme market-leading capacity, earning customer confidence by delivering trusted peace of mind."



CONTRACTOR OF THE PARTY OF THE

Best-Fit Applications

- Scalable hyperscale applications/cloud data centres
- Massive scale-out data centres
- Big data applications
- High-capacity density RAID storage
- Mainstream enterprise external storage arrays
- Distributed file systems, including Hadoop and Ceph
- Enterprise backup and restore D2D, virtual tape
- Centralised surveillance

Maximum Storage Capacity for Highest Rack Space Efficiency

Market-leading 20 TB HDD offering the highest capacity available for more petabytes per rack 1

Highly reliable performance with enhanced caching, making it the logical choice for cloud data centre and massive scale-out data centre applications

Hyperscale SATA model tuned for large data transfers and low latency

PowerBalance[™] feature optimises Watts/TB

Maximise total cost of ownership savings through lower power and weight with helium sealed-drive design

Proven helium side-sealing weld technology for added handling robustness and leak protection

Digital environmental sensors to monitor internal drive conditions for optimal operation and performance

Data protection and security — Seagate Secure features for safe, affordable, fast and easy drive retirement

Proven enterprise-class reliability backed by **5-year limited warranty and 2.5M-hr MTBF rating**

¹ Compared to 18 TB competitive product





Occasión attimas	CATA O Ch/s	040.4001/-	CATA O Ch/s	10.01/010
Specifications Capacity	SATA 6 Gb/s 20 TB	SAS 12Gb/s 20 TB	SATA 6 Gb/s 18 TB	12 Gb/s SAS 18 TB
Standard Model FastFormat [™] (512e/4Kn) ¹	ST20000NM007D	ST20000NM002D	ST18000NM003D	ST18000NM000D
	ST20000NM000D	ST20000NM003D	ST18000NM004D	ST18000NM001D
SED Model FastFormat (512e/4Kn) ^{1,2}	3120000111100000	ST20000NM005D	31 10000NW004D	ST18000NM001D
SED-FIPS FastFormat (512e/4Kn) ^{1,2}	_	5120000NM005D		51 18000NM002D
Features Helium Scaled Drive Design	Yes	Yes	Yes	Yes
Helium Sealed-Drive Design Conventional Magnetic Recording (CMR)	Yes	Yes	Yes	Yes
Protection Information (T10 DIF)	162	Yes	162	Yes
SuperParity	Yes	Yes	Yes	Yes
Low Halogen	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes
PowerChoice [™] Idle Power Technology				
PowerBalance Power/Performance Technology	Yes	Yes	Yes	Yes
Hot-Plug Support ³	Yes	Yes	Yes	Yes
Cache, Multi-segmented (MB)	256	256	256	256
Organic Solderability Preservative	Yes	Yes	Yes	Yes
RSA 3072 Firmware Verification (SD&D)	Yes	Yes	Yes	Yes
Reliability/Data Integrity				
Mean Time Between Failures (MTBF, hours)	2,500,000	2,500,000	2,500,000	2,500,000
Reliability Rating @ Full 24×7 Operation (AFR)	0.35%	0.35%	0.35%	0.35%
Non-recoverable Read Errors per Bits Read	1 sector per 10E15	1 sector per 10E15	1 sector per 10E15	1 sector per 10E15
Power-On Hours per Year (24×7)	8,760	8,760	8,760	8,760
512e Sector Size (Bytes per Sector)	512	512, 520, 528	512	512, 520, 528
4Kn Sector Size (Bytes per Sector)	4,096	4,096, 4,160, 4,224	4,096	4,096, 4,160, 4,224
Limited Warranty (years)	4,096 5	4,096, 4,160, 4,224	4,096 5	4,096, 4,160, 4,224
Limited Warranty (years) Performance	5	5	5	5
Limited Warranty (years) Performance Spindle Speed (RPM)	5 7,200 RPM	5 7,200 RPM	5 7,200 RPM	5 7,200 RPM
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s)	5 7,200 RPM 6.0, 3.0	5 7,200 RPM 12.0, 6.0, 3.0	5 7,200 RPM 6.0, 3.0	5 7,200 RPM 12.0, 6.0, 3.0
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s)	5 7,200 RPM 6.0, 3.0 285/272	5 7,200 RPM 12.0, 6.0, 3.0 285/272	5 7,200 RPM 6.0, 3.0 285/272	7,200 RPM 12.0, 6.0, 3.0 285/272
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s)	5 7,200 RPM 6.0, 3.0 285/272 168/550	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550	5 7,200 RPM 6.0, 3.0 285/272 168/550	7,200 RPM 12.0, 6.0, 3.0 285/272 168/550
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms)	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16	7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single	7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single	7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²)	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16	7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5	7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W	7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W)	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W	7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental Temperature, Operating (°C)	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental Temperature, Operating (°C) Vibration, Non-operating: 2 to 500 Hz (Grms)	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental Temperature, Operating (°C) Vibration, Non-operating: 2 to 500 Hz (Grms) Shock, Operating 2 ms (Read/Write) (Gs)	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental Temperature, Operating (°C) Vibration, Non-operating: 2 to 500 Hz (Grms) Shock, Operating 2 ms (Read/Write) (Gs) Shock, Non-operating 2 ms (GS)	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27
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Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental Temperature, Operating (°C) Vibration, Non-operating: 2 to 500 Hz (Grms) Shock, Operating 2 ms (Read/Write) (Gs) Shock, Non-operating 2 ms (GS)	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental Temperature, Operating (°C) Vibration, Non-operating: 2 to 500 Hz (Grms) Shock, Operating 2 ms (Read/Write) (Gs) Shock, Non-operating 2 ms (GS)	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40 200	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40 200	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40 200	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40 200
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental Temperature, Operating (°C) Vibration, Non-operating: 2 to 500 Hz (Grms) Shock, Operating 2 ms (Read/Write) (Gs) Shock, Non-operating 2 ms (GS) Physical Height (in/mm, max) ⁴	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental Temperature, Operating (°C) Vibration, Non-operating: 2 to 500 Hz (Grms) Shock, Operating 2 ms (Read/Write) (Gs) Shock, Non-operating 2 ms (GS) Physical Height (in/mm, max) ⁴ Width (in/mm, max) ⁴	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm 4.01 in/101.85 mm	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm 4.01 in/101.85 mm	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm 4.01 in/101.85 mm	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm 4.01 in/101.85 mm
Limited Warranty (years) Performance Spindle Speed (RPM) Interface Access Speed (Gb/s) Max. Sustained Transfer Rate OD (MB/s, MiB/s) Random Read/Write 4K QD16 WCD (IOPS) Average Latency (ms) Interface Ports Rotation Vibration @ 20-1500 Hz (rad/sec²) POWER CONSUMPTION Idle A (W) Average Max Operating, Random Read/Write 4K/16Q (W) Power Supply Requirements Environmental Temperature, Operating: 2 to 500 Hz (Grms) Shock, Operating 2 ms (Read/Write) (Gs) Shock, Non-operating 2 ms (GS) Physical Height (in/mm, max) ⁴ Width (in/mm, max) ⁴ Depth (in/mm, max) ⁴	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm 4.01 in/101.85 mm 5.787 in/147 mm	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm 4.01 in/101.85 mm 5.787 in/147 mm	5 7,200 RPM 6.0, 3.0 285/272 168/550 4.16 Single 12.5 5.4 W 9.4, 6.4 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm 4.01 in/101.85 mm 5.787 in/147 mm	5 7,200 RPM 12.0, 6.0, 3.0 285/272 168/550 4.16 Dual 12.5 5.8 W 9.8, 7.0 +12 V and +5 V 5°C - 60°C 2.27 40 200 1.028 in/26.1 mm 4.01 in/101.85 mm 5.787 in/147 mm

¹ FastFormat models ship in 512e format state. When switching from 512e to 4Kn by executing the FastFormat routine, all data on the drive will be deleted. Note that data must be aligned to 4K sectors to see improved performance in 4Kn format.

² Self-Encrypting Drives (SED) and FIPS 140-3 Validated drives available through franchised authorised distributors. May require TCG-compliant host or controller support.

³ Supports Hotplug operation per Serial ATA Revision 3.3 specification

⁴ These base deck dimensions conform to the Small Form Factor Standard (SFF-8301) found at https://www.snia.org/sff.. For connector-related dimensions, see SFF-8323.

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