



Product Listing

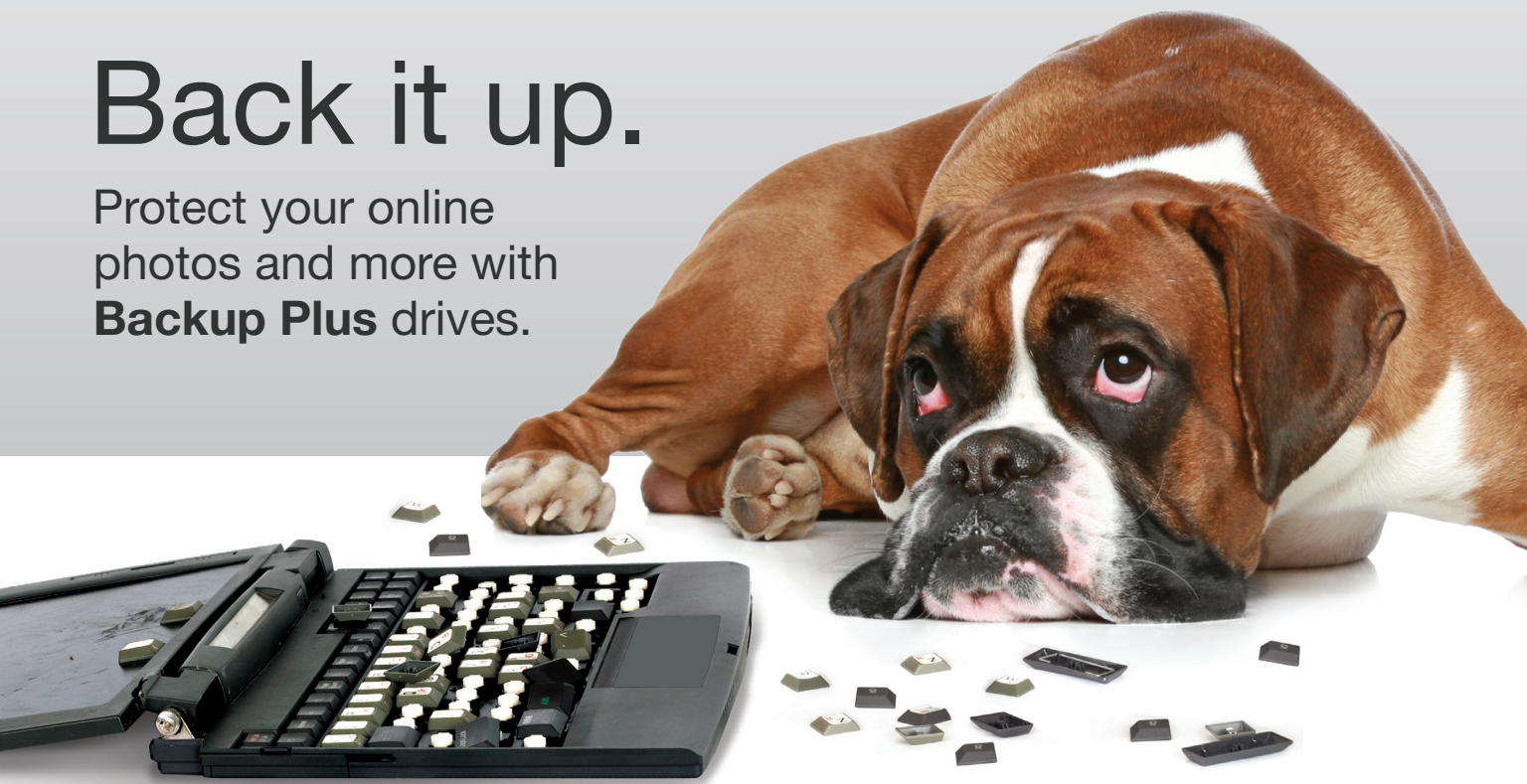
JULY 2012 | AMER



Life Happens.

Back it up.

Protect your online photos and more with **Backup Plus** drives.



External Storage

PRODUCT NAME		CAPACITY ¹	KIT NUMBER ²	INTERFACE	COLOR	OS
Backup Plus	New	1TB	STBU1000100	USB 3.0	Black	PC, Mac
	New	1TB	STBU1000101	USB 3.0	Silver	PC, Mac
	New	1TB	STBU1000102	USB 3.0	Blue	PC, Mac
	New	1TB	STBU1000103	USB 3.0	Red	PC, Mac
	New	750GB	STBU750100	USB 3.0	Black	PC, Mac
	New	500GB	STBU500100	USB 3.0	Black	PC, Mac
	New	500GB	STBU500101	USB 3.0	Silver	PC, Mac
	New	500GB	STBU500102	USB 3.0	Blue	PC, Mac
	New	500GB	STBU500103	USB 3.0	Red	PC, Mac
Backup Plus for Mac	New	1TB	STBW1000100	USB 2.0	Silver/White	Mac, PC
	New	500GB	STBW500100	USB 2.0	Silver/White	Mac, PC
Backup Plus Desktop	New	4TB	STCA4000100	USB 3.0	Black	PC, Mac
	New	3TB	STCA3000100	USB 3.0	Black	PC, Mac
	New	2TB	STCA2000100	USB 3.0	Black	PC, Mac
	New	1TB	STCA1000100	USB 3.0	Black	PC, Mac
Backup Plus Desktop for Mac	New	4TB	STCB4000100	FireWire 800/USB 2.0	Black/Silver	Mac, PC
	New	3TB	STCB3000100	FireWire 800/USB 2.0	Black/Silver	Mac, PC
	New	2TB	STCB2000100	FireWire 800/USB 2.0	Black/Silver	Mac, PC
Slim	New	500GB	STCD500100	USB 3.0	Black	PC, Mac
Slim for Mac	New	500GB	STCF500100	USB 2.0	Black	Mac, PC
Expansion Portable	New	1TB	STBX1000100	USB 3.0	Black	PC
	New	500GB	STBX500100	USB 3.0	Black	PC
Expansion Desktop	New	3TB	STBV3000100	USB 3.0	Black	PC
	New	2TB	STBV2000100	USB 3.0	Black	PC
	New	1TB	STBV1000100	USB 3.0	Black	PC
GoFlex Satellite™		500GB	STBF500101	Wi-Fi/USB 3.0	Black	PC, Mac
GoFlex® for Mac		1.5TB	STBA1500100	FireWire 800/USB 2.0	Silver	Mac, PC
		1TB	STBA1000100	FireWire 800/USB 2.0	Silver	Mac, PC
	New	500GB	STBA500100	USB 2.0	Black	Mac, PC
GoFlex Pro for Mac		750GB	STBB750100	FireWire 800/USB 2.0	Silver	Mac, PC
		500GB	STBB500100	FireWire 800/USB 2.0	Silver	Mac, PC
GoFlex Slim for Mac		500GB	STBL500100	USB 2.0	Black	Mac, PC
		320GB	STBL320100	USB 2.0	Black	Mac, PC
GoFlex Home		3TB	STAM3000100	SATA/GigE	—	PC, Mac
		2TB	STAM2000100	SATA/GigE	—	PC, Mac
		1TB	STAM1000100	SATA/GigE	—	PC, Mac

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.
2 U.S. retail model numbers shown

External Storage

Continued

PRODUCT NAME	CAPACITY ¹	KIT NUMBER ²	INTERFACE	COLOR	OS
BlackArmor® NAS 440	12TB	STAU12000100	Gigabit Ethernet	Black	PC, Mac
	8TB	ST380005SHA10G-RK	Gigabit Ethernet	Black	PC, Mac
	4TB	ST340005SHA10G-RK	Gigabit Ethernet	Black	PC, Mac
BlackArmor NAS 400	—	STAR401	Gigabit Ethernet	Black	PC, Mac
BlackArmor NAS 220	6TB	STAV6000100	Gigabit Ethernet	Black	PC, Mac
	4TB	ST340005LSA10G-RK	Gigabit Ethernet	Black	PC, Mac
	2TB	ST320005LSA10G-RK	Gigabit Ethernet	Black	PC, Mac

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.
2 U.S. retail model numbers shown.

EXTERNAL STORAGE APPLICATIONS			
Wireless Media Storage	GoFlex Satellite	Desktop Storage	Backup Plus Desktop, Backup Plus Desktop for Mac, Expansion Portable, Expansion Desktop
Portable Storage	Backup Plus, Backup Plus for Mac, Slim, Slim for Mac, Expansion Portable, GoFlex Satellite, GoFlex for Mac, GoFlex Pro for Mac, GoFlex Slim for Mac	Storage Server	GoFlex Home, BlackArmor NAS 440, BlackArmor NAS 400, BlackArmor NAS 220

Desktop Storage

PRODUCT NAME		CAPACITY ¹	MODEL NUMBER	FORM FACTOR/HT (in)	PERFORMANCE LEVEL (RPM)	MAX EXT XFER RATE (MB/s)	INTERFACE	CACHE OPTIONS (MB)	POWER CONSUMPTION (Idle, W)
Barracuda	New	3TB	ST3000DM001	3.5/1.028	7200	600	SATA 6Gb/s NCQ	64	5.4
	New	2TB	ST2000DM001	3.5/1.028	7200	600	SATA 6Gb/s NCQ	64	5.4
	New	1.5TB	ST1500DM003	3.5/1.028	7200	600	SATA 6Gb/S NCQ	64	4.5
	New	1TB	ST1000DM003	3.5/0.7825	7200	600	SATA 6Gb/s NCQ	64	3.36
	New	750GB	ST750DM003	3.5/0.7825	7200	600	SATA 6Gb/s NCQ	64	3.36
		500GB	ST500DM002 ²	3.5/0.787	7200	600	SATA 6Gb/s NCQ	16	4.6
		320GB	ST320DM000 ²	3.5/0.787	7200	600	SATA 6Gb/s NCQ	16	4.6
		250GB	ST250DM000 ²	3.5/0.787	7200	600	SATA 6Gb/s NCQ	16	4.6
Barracuda 3.5-Inch Internal Retail Kits		3TB	STBD3000100 ³	3.5/1.03	7200	600	SATA 6Gb/s	64	
		1TB	ST310005N1A1AS-RK ³	3.5/1.03	7200	300	SATA 3Gb/s	32	
		500GB	ST3500641AS-RK ³	3.5/1.03	7200	300	SATA 3Gb/s	16	

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.
2 Seagate ships this drive in both 4K- and 512-byte sectors. SmartAlign technology is included on 4K sector drives. Both drives are functionally and physically equivalent.
3 U.S. retail model numbers shown.

DESKTOP APPLICATIONS			
Thin Client	Barracuda	Mainstream	Barracuda
High Value	Barracuda	Performance/Gaming	Barracuda
Home Server	Barracuda	Workstations	Barracuda

Laptop Storage

PRODUCT NAME		CAPACITY ¹	MODEL NUMBER	FORM FACTOR/HT (in)	PERFORMANCE LEVEL (RPM)	MAX EXT XFER RATE (MB/s)	INTERFACE	CACHE OPTIONS (MB)	POWER CONSUMPTION (Idle, W)
Momentum® XT	New	750GB	ST750LX003 ²	2.5/0.37	7200	600	SATA 6Gb/s	32	1.1
		500GB	ST95005620AS ²	2.5/0.37	7200	300	SATA 3Gb/s	32	0.8
Momentum		750GB	ST9750420AS	2.5/0.37	7200	300	SATA 3Gb/s	16	0.7
		500GB	ST9500423AS	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		500GB	ST9500420ASG	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		500GB	ST9500421AS ⁴	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		500GB	ST9500422AS ⁵	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		320GB	ST9320423AS	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		320GB	ST320LT023 ^{3,6}	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		250GB	ST9250410AS	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		250GB	ST250LT021 ^{3,6}	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		250GB	ST9250410ASG	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		250GB	ST9250411AS ⁴	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		250GB	ST9250412AS ⁵	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		160GB	ST160LT016 ^{3,6}	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		160GB	ST9160412AS	2.5/0.37	7200	300	SATA 3Gb/s	16	0.67
		750GB	ST9750423AS	2.5/0.37	5400	300	SATA 3Gb/s	16	0.5
		640GB	ST9640320AS	2.5/0.37	5400	300	SATA 3Gb/s	8	0.68
		500GB	ST9500325AS	2.5/0.37	5400	300	SATA 3Gb/s	8	0.81
		500GB	ST9500325ASG	2.5/0.37	5400	300	SATA 3Gb/s	8	0.81
		500GB	ST9500327AS ⁴	2.5/0.37	5400	300	SATA 3Gb/s	8	0.81
		320GB	ST9320325AS	2.5/0.37	5400	300	SATA 3Gb/s	8	0.81
		320GB	ST320LT022 ^{3,6}	2.5/0.37	5400	300	SATA 3Gb/s	16	0.81
		250GB	ST9250315AS	2.5/0.37	5400	300	SATA 3Gb/s	8	0.81
		250GB	ST250LT020 ^{3,6}	2.5/0.37	5400	300	SATA 3Gb/s	16	0.81
		250GB	ST9250317AS ⁴	2.5/0.37	5400	300	SATA 3Gb/s	8	0.81
		160GB	ST9160314AS	2.5/0.37	5400	300	SATA 3Gb/s	8	0.81
		160GB	ST160LT015 ^{3,6}	2.5/0.37	5400	300	SATA 3Gb/s	16	0.81

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.

2 Solid State Hybrid Drive with 8GB SLC NAND (750GB) or 4GB SLC NAND (500GB) solid state memory.

3 Advanced Sector Format (4K) drive with SmartAlign™ technology resolves misalignment conditions.

4 Self-Encrypting Drive model.

5 FIPS 140-2 Self-Encrypting Drive model. See FIPS 140-2 Level 2 Certificate at: <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm>.

6 7mm z-height expanded to 9.5mm enables compatibility with standard laptop chassis.

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Product Name		Capacity ¹	Model Number	Form Factor/HT (in)	Performance Level (RPM)	Max Ext Xfer Rate (MB/s)	Interface	Cache Options (MB)	Power Consumption (Idle, W)
Momentum Thin	New	320GB	ST320LT007 ³	2.5/0.276	7200	300	SATA 3Gb/s	16	0.66
		320GB	ST320LT014 ^{3,4}	2.5/0.276	7200	300	SATA 3Gb/s	16	0.66
		320GB	ST320LT009 ^{3,5}	2.5/0.276	7200	300	SATA 3Gb/s	16	0.66
		250GB	ST250LT007 ³	2.5/0.276	7200	300	SATA 3Gb/s	16	0.66
		250GB	ST250LT014 ^{3,4}	2.5/0.276	7200	300	SATA 3Gb/s	16	0.66
		250GB	ST250LT009 ^{3,5}	2.5/0.276	7200	300	SATA 3Gb/s	16	0.66
		160GB	ST160LT007 ³	2.5/0.276	7200	300	SATA 3Gb/s	16	0.66
		500GB	ST500LT025 ⁴	2.5/0.276	5400	300	SATA 3Gb/s	16	0.45
		500GB	ST500LT015 ⁵	2.5/0.276	5400	300	SATA 3Gb/s	16	0.45
		500GB	ST500LT012 ³	2.5/0.276	5400	300	SATA 3Gb/s	16	0.45
		320GB	ST320LT020 ³	2.5/0.276	5400	300	SATA 3Gb/s	16	0.48
		320GB	ST320LT012	2.5/0.276	5400	300	SATA 3Gb/s	16	0.48
		250GB	ST250LT003 ³	2.5/0.276	5400	300	SATA 3GB/S	16	0.48
		250GB	ST250LT012	2.5/0.276	5400	300	SATA 3GB/S	16	0.48
		160GB	ST160LT003 ³	2.5/0.276	5400	300	SATA 3Gb/s	16	0.48
Momentum 2.5-Inch Internal Retail Kit		1TB	STBD1000100 ⁷	2.5/0.374	5400	300	SATA 3Gb/s	8	
		750GB	ST907503N1A1AS-RK ⁷	2.5/0.374	7200	300	SATA 3Gb/s	16	
		640GB	ST906403N1A1AS-RK ⁷	2.5/0.374	5400	300	SATA 3Gb/s	8	
		500GB	ST905003N3A1AS-RK ⁷	2.5/0.374	7200	300	SATA 3Gb/s	16	
		500GB	ST905003N1A1AS-RK ⁷	2.5/0.374	5400	300	SATA 3Gb/s	8	
		320GB	ST903203N3A1AS-RK ⁷	2.5/0.374	7200	300	SATA 3Gb/s	16	
		320GB	ST903203N1A2AS-RK ⁷	2.5/0.374	5400	300	SATA 3Gb/s	8	
		250GB	ST90250N1A1AS-RK ⁷	2.5/0.374	5400	300	SATA 3Gb/s	8	
Momentum XT Internal Retail Kit	New	750GB	STBD750100 ^{2,7}	2.5/0.370	7200	600	SATA 6Gb/s	32	

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2 Solid State Hybrid drive with 8GB SLC NAND solid state memory.

3 Advanced Sector Format (4K) drive with SmartAlign™ technology resolves misalignment conditions.

4 Self-Encrypting Drive model.

5 FIPS 140-2 Self-Encrypting Drive model. See FIPS 140-2 Level 2 Certificate at:

<http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm>.

6 7mm z-height expanded to 9.5mm enables compatibility with standard laptop chassis.

7 U.S. retail model numbers shown.

Laptop/Netbook Applications		Security Solutions Applications	
Performance	Momentus XT, Momentus (7200 RPM)	Laptop/Notebook PCs	Momentus XT, Momentus
Mainstream	Momentus, Momentus 2.5-Inch Internal	Small Form Factor PCs/Servers	Momentus Thin, Momentus (5400 RPM)
Slim Computing	Momentus Thin	Mission-Critical Blade Servers	Momentus XT, Momentus (7200 RPM)
External 2.5-Inch Drive Enclosures	Momentus		

Enterprise Storage

PRODUCT NAME	CAPACITY ¹	MODEL NUMBER	SECURITY OPTIONS	FORM FACTOR/HT (in) ²	SPINDLE SPEED (RPM)	AVERAGE READ SEEK (ms)	MAX EXT XFER RATE (MB/s)	INTERFACE	CACHE OPTIONS (MB)	POWER CONSUMPTION (Idle, W)
Savvio® 15K	300GB	ST9300653SS	—	2.5/0.591	15K	2.6	600	6Gb/s SAS	64	4.23
	300GB	ST9300553SS	SED ³	2.5/0.591	15K	2.6	600	6Gb/s SAS	64	4.23
	300GB	ST9300453SS	FIPS SED ^{3,4}	2.5/0.591	15K	2.6	600	6Gb/s SAS	64	4.23
	146GB	ST9146853SS	—	2.5/0.591	15K	2.6	600	6Gb/s SAS	64	3.86
	146GB	ST9146753SS	SED ³	2.5/0.591	15K	2.6	600	6Gb/s SAS	64	3.86
	146GB	ST9146653SS	FIPS SED ^{3,4}	2.5/0.591	15K	2.6	600	6Gb/s SAS	64	3.86
	146GB	ST9146852SS	—	2.5/0.591	15K	2.9	600	6Gb/s SAS	16	4.1
	146GB	ST9146752SS	SED ³	2.5/0.591	15K	2.9	600	6Gb/s SAS	16	4.1
	146GB	ST9146652SS	FIPS SED ^{3,4}	2.5/0.591	15K	2.9	600	6Gb/s SAS	16	4.1
	73GB	ST973452SS	—	2.5/0.591	15K	2.9	600	6Gb/s SAS	16	3.7
	73GB	ST973352SS	SED ³	2.5/0.591	15K	2.9	600	6Gb/s SAS	16	3.7
	73GB	ST973252SS	FIPS SED ^{3,4}	2.5/0.591	15K	2.9	600	6Gb/s SAS	16	3.7
Savvio 10K	900GB	ST9900805SS	—	2.5/0.591	10K	3.7	600	6Gb/s SAS	64	4.4
	900GB	ST9900705SS	SED ³	2.5/0.591	10K	3.7	600	6Gb/s SAS	64	4.4
	900GB	ST9900605SS	FIPS SED ^{3,4}	2.5/0.591	10K	3.7	600	6Gb/s SAS	64	4.4
	900GB	ST9900805FC	—	2.5/0.591	10K	3.7	400	6Gb/s SAS	64	4.4
	600GB	ST9600205SS	—	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.8
	600GB	ST9600105SS	SED ³	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.8
	600GB	ST9600005SS	FIPS SED ^{3,4}	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.8
	600GB	ST9600205FC	—	2.5/0.591	10K	3.4	400	6Gb/s SAS	64	3.8
	450GB	ST9450405SS	—	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.8
	450GB	ST9450305SS	SED ³	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.8
	450GB	ST9450205SS	FIPS SED ^{3,4}	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.8
	450GB	ST9450405FC	—	2.5/0.591	10K	3.4	400	6Gb/s SAS	64	3.8
	300GB	ST9300605SS	—	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.5
	300GB	ST9300505SS	SED ³	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.5
	300GB	ST9300405SS	FIPS SED ^{3,4}	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.5
	300GB	ST9300605FC	—	2.5/0.591	10K	3.4	600	6Gb/s SAS	64	3.5

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.
2 These base deck height dimensions conform to the Small Form Factor Standards found at www.sffcommittee.org.
3 Self-Encrypting Drive (SED) model. May require TCG-compliant host or controller support.
4 See FIPS 140-2 Level 2 Certificate at <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm>.

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PRODUCT NAME	CAPACITY ¹	MODEL NUMBER	SECURITY OPTIONS	FORM FACTOR/HT (in) ²	SPINDLE SPEED (RPM)	AVERAGE READ SEEK (ms)	MAX EXT XFER RATE (MB/s)	INTERFACE	CACHE OPTIONS (MB)	POWER CONSUMPTION (Idle, W)
Cheetah® 15K	600GB	ST3600057SS	—	3.5/1.028	15K	3.4	600	6Gb/s SAS	16	11.68
	600GB	ST3600057FC	—	3.5/1.028	15K	3.4	600	4Gb/s FC	16	11.61
	600GB	ST3600957SS	SED ³	3.5/1.028	15K	3.4	600	6Gb/s SAS	16	11.68
	600GB	ST3600857SS	FIPS SED ^{3,4}	3.5/1.028	15K	3.4	600	6Gb/s SAS	16	11.68
	450GB	ST3450857SS	—	3.5/1.028	15K	3.4	600	6Gb/s SAS	16	10.1
	450GB	ST3450857FC	—	3.5/1.028	15K	3.4	400	4Gb/s FC	16	10.26
	450GB	ST3450757SS	SED ³	3.5/1.028	15K	3.4	600	6Gb/s SAS	16	10.1
	450GB	ST3450657SS	FIPS SED ^{3,4}	3.5/1.028	15K	3.4	600	6Gb/s SAS	16	10.1
	300GB	ST3300657SS	—	3.5/1.028	15K	3.4	600	6Gb/s SAS	16	8.74
	300GB	ST3300657FC	—	3.5/1.028	15K	3.4	400	4Gb/s FC	16	8.98
	300GB	ST3300557SS	SED ³	3.5/1.028	15K	3.4	600	6Gb/s SAS	16	8.74
	300GB	ST3300457SS	FIPS SED ^{3,4}	3.5/1.028	15K	3.4	600	6Gb/s SAS	16	8.74
Cheetah NS	600GB	ST3600002SS	—	3.5/1.028	10K	3.8	600	6Gb/s SAS	16	6.2
	600GB	ST3600002FC	—	3.5/1.028	10K	3.8	400	4Gb/s FC	16	6.5
	450GB	ST3450802SS	—	3.5/1.028	10K	3.8	600	6Gb/s SAS	16	5.7
	450GB	ST3450802FC	—	3.5/1.028	10K	3.8	400	4Gb/s SAS	16	6.0
	300GB	ST3300602FC	—	3.5/1.028	10K	3.8	400	4Gb/s FC	16	5.6

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2 These base deck height dimensions conform to the Small Form Factor Standards found at www.sffcommittee.org.

3 Self-Encrypting Drive (SED) model. May require TCG-compliant host or controller support.

4 See FIPS 140-2 Level 2 Certificate at <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm>.

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MISSION-CRITICAL APPLICATIONS			
Mainstream Servers	Savvio 10K	Midrange and High-End Servers	Savvio 15K, Savvio 10K
Performance Servers	Savvio 15K	Direct Attached Storage (DAS/JBOD/RAID)	Cheetah 15K, Cheetah NS, Savvio 15K, Savvio 10K
Blade and 1U Servers	Savvio 15K, Savvio 10K	NAS/SAN	Cheetah 15K, Cheetah NS, Savvio 15K, Savvio 10K
Security Servers	Cheetah 15K, Savvio 15K, Savvio 10K	Security DAS/NAS/SAN Storage	Cheetah 15K, Savvio 15K, Savvio 10K

PRODUCT NAME	CAPACITY ¹	MODEL NUMBER	SECURITY OPTIONS	FORM FACTOR/HT (in) ²	SPINDLE SPEED (RPM)	AVERAGE READ SEEK (ms)	MAX EXT XFER RATE (MB/s)	INTERFACE	CACHE OPTIONS (MB)	POWER CONSUMPTION (Idle, W)
Constellation.2™	1TB	ST91000640NS	—	2.5/0.591	7200	8.5	600/300/150	SATA 6Gb/s	64	3.31
	1TB	ST91000641NS	SED ³	2.5/0.591	7200	8.5	600/300/150	SATA 6Gb/s	64	3.31
	1TB	ST91000642NS	FIPS SED ^{3,4}	2.5/0.591	7200	8.5	600/300/150	SATA 6Gb/s	64	3.31
	1TB	ST91000640SS	—	2.5/0.591	7200	8.5	600/300/150	6Gb/s SAS	64	3.85
	1TB	ST91000641SS	SED ³	2.5/0.591	7200	8.5	600/300/150	6Gb/s SAS	64	3.85
	1TB	ST91000642SS	FIPS SED ^{3,4}	2.5/0.591	7200	8.5	600/300/150	6Gb/s SAS	64	3.85
	500GB	ST9500620NS	—	2.5/0.591	7200	8.5	600/300/150	SATA 6Gb/s	64	2.67
	500GB	ST9500621NS	SED ³	2.5/0.591	7200	8.5	600/300/150	SATA 6Gb/s	64	2.67
	500GB	ST9500622NS	FIPS SED ^{3,4}	2.5/0.591	7200	8.5	600/300/150	SATA 6Gb/s	64	2.67
	500GB	ST9500620SS	—	2.5/0.591	7200	8.5	600/300/150	6Gb/s SAS	64	3.27
	500GB	ST9500621SS	SED ³	2.5/0.591	7200	8.5	600/300/150	6Gb/s SAS	64	3.27
	500GB	ST9500622SS	FIPS SED ^{3,4}	2.5/0.591	7200	8.5	600/300/150	6Gb/s SAS	64	3.27
	250GB	ST9250610NS	—	2.5/0.591	7200	8.5	600/300/150	SATA 6Gb/s	64	2.52
	250GB	ST9250611NS	SED ^{3,4}	2.5/0.591	7200	8.5	600/300/150	SATA 6Gb/s	64	2.52
	250GB	ST9250612NS	FIPS SED ^{3,4}	2.5/0.591	7200	8.5	600/300/150	SATA 6Gb/s	64	2.52
Constellation ES.2	3TB	ST33000650NS	—	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	7.7
	3TB	ST33000651NS	SED ³	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	7.7
	3TB	ST33000652NS	SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	7.7
	3TB	ST33000650SS	—	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	7.4
	3TB	ST33000651SS	SED ³	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	7.4
	3TB	ST33000652SS	FIPS SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	7.4
	New 2TB	ST32000645NS	—	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	7.7
	New 2TB	ST32000646NS	SED ³	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	7.7
	New 2TB	ST32000647NS	FIPS SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	7.7
	New 2TB	ST32000645SS	—	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	7.4
	New 2TB	ST32000646SS	SED ³	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	7.4
	New 2TB	ST32000647SS	FIPS SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	7.4

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.

2 These base deck height dimensions conform to the Small Form Factor Standards found at www.sffcommittee.org.

3 Self-Encrypting Drive (SED) model. May require TCG-compliant host or controller support.

4 See FIPS 140-2 Level 2 Certificate at <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm>.

PRODUCT NAME	CAPACITY ¹	MODEL NUMBER	SECURITY OPTIONS	FORM FACTOR/HT (in) ²	SPINDLE SPEED (RPM)	AVERAGE READ SEEK (ms)	MAX EXT XFER RATE (MB/s)	INTERFACE	CACHE OPTIONS (MB)	POWER CONSUMPTION (Idle, W)
Constellation ES	2TB	ST2000NM0011	—	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	6.39
	2TB	ST2000NM0031	SED ³	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	6.39
	2TB	ST2000NM0051	SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	6.39
	2TB	ST2000NM0001	—	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	7.26
	2TB	ST2000NM0021	SED ³	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	7.26
	2TB	ST2000NM0041	FIPS SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	7.26
	1TB	ST1000NM0011	—	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	6.39
	1TB	ST1000NM0031	SED ³	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	6.39
	1TB	ST1000NM0051	SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	6.39
	1TB	ST1000NM0001	—	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	5.41
	1TB	ST1000NM0021	SED ³	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	5.41
	1TB	ST1000NM0041	FIPS SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	5.41
	500GB	ST500NM0011	—	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	6.39
	500GB	ST500NM0031	SED ³	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	6.39
	500GB	ST500NM0051	SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	SATA 6Gb/s	64	6.39
	500GB	ST500NM0001	—	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	5.41
	500GB	ST500NM0021	SED ³	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	5.41
	500GB	ST500NM0041	FIPS SED ^{3,4}	3.5/1.028	7200	8.5	600/300/150	6Gb/s SAS	64	5.41

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.

2 These base deck height dimensions conform to the Small Form Factor Standards found at www.sffcommittee.org.

3 Self-Encrypting Drive (SED) model. May require TCG-compliant host or controller support.

4 See FIPS 140-2 Level 2 Certificate at <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm>.

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CAPACITY OPTIMIZED APPLICATIONS			
Direct Attached Storage (DAS/JBOD/RAID)	Constellation Family, Constellation ES Family	Virtual Tape Library	Constellation Family, Constellation ES Family
Entry Low-Cost Server/SMB Server	Constellation Family, Constellation ES Family	NAS/SAN	Constellation Family, Constellation ES Family
Entry Low-Cost Server/SMB Security Server	Constellation Family, Constellation ES Family	External Security Storage (DAS, NAS, SAN)	Constellation Family, Constellation ES Family
Cloud Storage	Constellation Family, Constellation ES Family	Network Video Surveillance (NDVR)	Constellation Family, Constellation ES Family

PRODUCT NAME	CAPACITY ¹	MODEL NUMBER	NAND FLASH TYPE	AFR ²	MAX EXT XFER RATE (MB/s)	INTERFACE	FULL DRIVE WRITES/DAY ²	POWER CONSUMPTION (Idle, W)
Pulsar® XT.2	400GB	ST400FX0002	SLC	0.44%	600	SAS 6Gb/s	35	5.92
	400GB	ST400FX0012 ³	SLC	0.44%	600	SAS 6Gb/s	35	5.92
	200GB	ST200FX0002	SLC	0.44%	600	SAS 6Gb/s	35	4.04
	100GB	ST100FX0002	SLC	0.44%	600	SAS 6Gb/s	35	4.04
Pulsar.2™	800GB	ST800FM0002	MLC	0.44%	600	SAS 6Gb/s	10	4.38
	800GB	ST800FM0012 ³	MLC	0.44%	600	SAS 6Gb/s	10	4.38
	400GB	ST400FM0002	MLC	0.44%	600	SAS 6Gb/s	10	3.49
	400GB	ST400FM0012	MLC	0.44%	600	SATA 6Gb/s	10	3.49
	200GB	ST200FM0002	MLC	0.44%	600	SAS 6Gb/s	10	3.47
	200GB	ST200FM0012	MLC	0.44%	600	SATA 6Gb/s	10	3.47
	100GB	ST100FM0002	MLC	0.44%	600	SAS 6Gb/s	10	3.59
	100GB	ST100FM0012	MLC	0.44%	600	SATA 6Gb/s	10	3.59

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.

2 Data provided is based on format at 512 bytes.

3 Self-Encrypting Drive (SED) model requires TCG-compliant host or controller support.

ENTERPRISE SSD APPLICATIONS			
Tier 0 Storage Arrays	Pulsar XT.2, Pulsar.2	Virtualization	Pulsar.2
Blade Servers	Pulsar XT.2, Pulsar.2	Online Transaction Processing (OLTP)	Pulsar.2
General Servers	Pulsar XT.2, Pulsar.2	Data Warehousing	Pulsar.2
Direct-Attached Storage (DAS)	Pulsar XT.2, Pulsar.2	Cloud Storage	Pulsar.2
Auto-Tiering	Pulsar XT.2, Pulsar.2		

Video Storage

PRODUCT NAME		CAPACITY ¹	MODEL NUMBER	FORM FACTOR/HT (in)	PERFORMANCE LEVEL (RPM)	MAX EXT XFER RATE (MB/s)	INTERFACE	CACHE OPTIONS (MB)	POWER CONSUMPTION (Idle, W)
Pipeline HD®	New	2TB	ST2000VM003	3.5/1.028	5900	300	SATA 3Gb/s	64	3.74
		1.5TB	ST1500VM002	3.5/1.028	5900	300	SATA 3Gb/s	64	4.5
	New	1TB	ST1000VM002	3.5/0.795	5900	600	SATA 6Gb/s	64	2.5
		500GB	ST3500312CS	3.5/0.795	—	300	SATA 3Gb/s	8	3.0
		320GB	ST3320311CS	3.5/0.795	—	300	SATA 3Gb/s	8	3.0
		250GB	ST3250312CS	3.5/0.795	—	300	SATA 3Gb/s	8	3.0
SV35 Series™	New	3TB	ST3000VX000	3.5/1.028	7200	600	SATA 6Gb/s	64	5.4
	New	2TB	ST2000VX000	3.5/1.028	7200	600	SATA 6Gb/s	64	5.4
	New	1TB	ST1000VX000	3.5/0.787	7200	600	SATA 6Gb/s	64	3.36

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.

VIDEO STORAGE APPLICATIONS			
Consumer DVR	Pipeline HD	Video Surveillance DVR	SV35 Series
Media Servers and Centers	Pipeline HD	Video Surveillance Network DVR	SV35 Series
Home Theater PCs and Servers	Pipeline HD	Direct-Attached JBOD Video Storage	SV35 Series
Cable, Satellite and IPTV Set-Top Boxes	Pipeline HD	Network-Attached JBOD Video Storage	SV35 Series

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For Seagate reseller portal, visit
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