

Seagate Constellation 2TB SAS 3.5" 3.5"

Brand : Seagate **Product family:** Constellation **Product code:** ST32000645SS

Product name : 2TB SAS 3.5"

2TB, 6Gb/s, SAS, 7200 rpm, 64MB

[Seagate Constellation 2TB SAS 3.5" 3.5"](#):

- Industry's highest capacity enterprise drive for sustaining demanding data growth.
- Meets regulatory data security compliance requirements and is FIPS 140-2 Validated™ to protect Sensitive but Unclassified and Protected class data.
- Fifth-generation, capacity-optimized nearline drive designed for 24x7 enterprise reliability.
- SAS-based, end-to-end data integrity and enhanced error correction for accurate data storage.
- Best-in-class enhanced rotational vibration tolerance ensures consistent bulk data performance.
- Improved power and cooling efficiencies with low power consumption and enhanced PowerChoice™ technology.
- Multi-drive firmware maximized for enterprise system availability.
- Robust performance with dual processor and ramp load technologies.
- Self-Encrypting Drive (SED) models with Seagate Instant Secure Erase cut IT drive retirement costs while securely protecting data where it lives - on the drive.



Features		Power	
HDD size *	3.5"	Operating voltage	5 / 12 V
HDD capacity *	2 TB	Start-up current	1.71 A
HDD speed *	7200 RPM	Operational conditions	
Interface *	SAS	Operating temperature (T-T)	5 - 60 °C
Component for *	Server/workstation	Storage temperature (T-T)	-40 - 70 °C
Storage drive buffer size	64 MB	Weight & dimensions	
Read seek time	8.5 ms	Width	101.8 mm
Write seek time	9.5 ms	Height	26.1 mm
Average latency	4.16 ms	Depth	147 mm
Mean time between failures (MTBF)	1200000 h	Weight	655 g
Power		Other features	
Power consumption (typical)	10.90 W	Internal	✓
Power consumption (idle)	6.20 W	Data transfer rate	6 Gbit/s
		Security algorithms	FIPS 140-2

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