

Seagate Constellation.2 2.5" 1 TB SAS

Brand : Seagate

Product code: ST91000640SS

Product name : Constellation.2

1 TB, 2.5", SAS, 64MB

[Seagate Constellation.2 2.5" 1 TB SAS:](#)

- Second generation of the first 2.5 inch, mainstream capacity, 15mm z-height, nearline drive for space-constrained data centres
- Choose 6Gb/s SAS for data integrity, scalability and fast data access, or SATA 6Gb/s for fast, economical Tier-2/nearline performance
- The industry's most reliable 7,200 RPM drive, designed for 24x7 operation with an MTBF of 1.4M hours and an AFR of 0.62%
- Enterprise-class firmware and best-in-class rotational vibration tolerance maximise system availability and performance
- Lowest operating power (under 6.4W) and enhanced PowerChoice™ options for additional power savings during slow or idling periods; Workload Management™ technology helps systems to keep drives cool
- Self-Encrypting Drive (SED) option (AES-256) cuts IT drive retirement costs while protecting data securely where it lives — on the drive
- FIPS 140-2 Validated™ drives protect data classed as Sensitive but Unclassified and Protected



Features		Power	
HDD size *	2.5"	Power consumption (typical)	6.4 W
HDD capacity *	1 TB	Power consumption (idle)	3.85 W
HDD speed *	7200 RPM	Operating voltage	5 V
Interface *	SAS	Operational conditions	
Type *	HDD	Operating temperature (T-T)	5 - 60 °C
Component for *	Server/workstation	Operating vibration	0.5 G
Storage drive buffer size	64 MB	Non-operating vibration	3 G
HDD interface transfer rate	6 Gbit/s	Operating shock	70 G
Read seek time	8.5 ms	Non-operating shock	400 G
Write seek time	9.5 ms	Weight & dimensions	
Average latency	4.16 ms	Width	70.1 mm
Bytes per sector	512	Height	15 mm
Mean time between failures (MTBF)	1400000 h	Depth	100.5 mm
		Weight	200 g
		Packaging data	
		Quantity	1

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