

## Seagate Constellation 1TB SATA, 7200rpm 3.5" Serial ATA

**Brand :** Seagate

**Product family:** Constellation

**Product code:** ST1000NM0031

**Product name :** 1TB SATA,  
7200rpm

Constellation 1TB SATA, 3.5", 7200rpm, 6 GB/s, 64MB, Encryption, 610g, Silver/Black  
Seagate Constellation 1TB SATA, 7200rpm. HDD size: 3.5", HDD capacity: 1 TB, HDD speed: 7200 RPM



Features		Operational conditions	
HDD size *	3.5"	Operating temperature (T-T)	5 - 60 °C
HDD capacity *	1 TB	Storage temperature (T-T)	-40 - 70 °C
HDD speed *	7200 RPM	Operating vibration	0.25 Gs
Interface *	Serial ATA	Non-operating vibration	4.9 Gs
Storage drive buffer size	64 MB	Operating shock	70 G
Read seek time	8.5 ms	Non-operating shock	350 G
Write seek time	9.5 ms		
Average latency	4.16 ms	Weight & dimensions	
Mean time between failures (MTBF)	1200000 h	Width	101.8 mm
		Height	26.1 mm
		Depth	147 mm
		Weight	610 g
Power		Other features	
Power consumption (typical)	6.40 W	Sustained data rate	150 MB/s
Power consumption (read)	7.42 W	Acoustic pressure emissions	2.7 dB
Power consumption (write)	6.21 W	Internal	✓
Power consumption (idle)	4.42 W	Data transfer rate	6 Gbit/s
Operating voltage	5 / 12 V		
Start-up current	1.88 A		

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