

Barracuda® Green SATA 6Gb/s 2TB Hard Drive

ST2000DL003

Specifications	
Model Number	ST2000DL003
Interface	SATA 6Gb/s
Cache	64MB
Capacity	2TB
Areal density (avg)	422Gb/in ²
Guaranteed Sectors	3,907,029,168
PHYSICAL	
Height	26.1mm (1.028 in)
Width	101.6mm (4.0 in)
Length	147.00mm (5.78 in)
Weight (typical)	635g (1.39 lb)
PERFORMANCE	
Spin Speed (RPM)	5900 RPM
Sustained data transfer rate	144Mb/s
Average latency	5.08ms
Random read seek time	12.0ms
Random write seek time	13.0ms
I/O data transfer rate	600MB/s
Unrecoverable read errors	1 in 10 ¹⁴

RELIABILITY	
MTBF	750,000 hours hours
Annual Failure Rate	0.34%
POWER	
12V start max current	2.1A
Average idle power	4.5W
Average operating power	5.8W
ENVIRONMENT	
Ambient Temperature	
Operating	0°–60°C
Nonoperating	-40°–70°C
Maximum operating temperature change	20°C per hour
Maximum nonoperating temperature change	30°C per hour
Shock	
Operating Shock (max)	80 Gs for 2ms
Nonoperating Shock (max)	300 Gs for 2ms
ACOUSTICS	
Acoustics (Idle Volume)	2.1 bels
Acoustics (Seek Volume)	2.4 bels