



768TB

TD5S30 2.5" SATA SSD

Form Factor	Model Number	Capacity	LBA Count (512B Size)
2.5"	TRUSTA TD5S30-007T6T5S2521D02X	7680GB	15,002,931,888

Features	Environmental Specifications	
Serial ATA 6GB/s interface	Temperature Range	
Compliant with ATA-8 Standard	- Operating (by SMART)	0°C ~ 70°C
Compliant with SATA Revision 3.2	- Non-Operating	-40°C ~ 85°C
Power Loss Protection (by On-board Circuit)	Shock (Non-Operating, Half Sine)	1500G / 0.5ms
AES-128/256	Vibration	
TCG Opal 2.01	- Non-Operating, Sine	3.13Grms / 5 ~ 800Hz
	Humidity (Non-Operating)	5 ~ 95%

Drive Configuration		Reliability Specifications	
Interface	SATA	UBER	< 1 Error per 10 ¹⁷ Bits Read
NAND	SanDisk BiSC5 eTLC	MTBF	2,000,000 hours
Protocol	SATA Revision 3.2	Endurance	Up to 14,016 TB
Sector Size	512B	Data Retention	3 Months (40°C)

Performance (Typ.)		Quality of Service (Latency)	
Data Transfer Rate (128KB Data Size, Up to)		Average Latency (4KB Data Size, Sustained, QD1, Typical)	
Sequential Read	Up to 530 MB/s	Random Read	140 us
Sequential Write	Up to 510 MB/s	Random Write	38 us
Data I/O Speed (4KB Data Size, Sustained, Up to)			
Random Read	Up to 80K IOPS		
Random Write	Up to 50K IOPS		