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	SSD (formerly FFD) SATA 2.5 " Reliable, High - Capacity SATA Drive	Product Photos Product Specifications
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? Contact US? SanDisk In The News	The SanDisk SSD SATA 2.5" (formerly FFD 2.5" Serial ATA) is a	
Partners Login	state -of -the -art soild -state flash disk, based on NAND flash technology, that provides the functionality of a hard disk with no moving parts. SSD SATA 2.5 * is no ideal, reliable storage solution for mission - critical applications that must operate under harsh environmental conditions, as well as for the telecommunication and biade server industry that must support 99.09% availability.	
	SSD SATA 2.5 " delivers outstanding reliability and enhanced endurance thanks to SanDisk TrueFFS technology, which applies	
	endurance thanks to sanUsik truer +5 technology, which applies dynamic wear - leveling and bad block management. Due to its unique design, SSD SATA 2.5 * provides high - performance sustained read and write rates up to 150Mbytes/sec and supports Serial ATA 1.0a standard.	
	SSD SATA 2.5 * is fully compatible with the SATA 1.0a interface. and has the same mechanical dimensions and mounting holes of traditional mechanical disks. It is a true dropin replacement for rotating 2.5* Senial ATA (SATA) and Serial Attached SCSI (SAS) disks with highest reliability and operating mean time between failure (MTPF) hours.	
	Specifications	
	Capacity Unformatted (Gbytes): 1, 2, 4, 8, 12, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96, 104, 112, 120, 128	
	Compatibility Serial ATA: High -speed serialized AT attachment, revision1.0a, Serial ATA working group	
	Performance Burst Read/Write: 150 Mbytes/sec (1.5 Gbits/sec) Sustained Write: 40 Mbytes/sec Sustained Write: 40 Mbytes/sec Access time: <0.04 ms	
	Physical Form factor: 2.5" Case dimensions (mm): 100.2(L) X 69.85(W) X 9.5 to 22.5(H) Weight: 0.1 Kg for 16GB; 0.22 Kg for 128GB	
	Environmental Operating temperature Commercial: 0°C to + 2°C C Enhanced: - 2°C Cto + 7°C C Extended: - 4°C Cto + 4°C C Storage temperature: - 5°C Cto + 4°C C Humidity: 5% to 95% relative, non - condensing Operations' diffusited. In the 30 not fact	
	Humadig: 5% to 95% relative, non Operating attract, Up 060 (0000 - sTOT-0160 - STOT-0160 Operating whataion:16.3G RMS (random, 10Hz to 2000Hz; 3 vibration.axe), 16.3G RMS (random, 10Hz to 2000Hz; 3 WIL-STD-810F	
	Reliability MTBF 1,180,777 operating hours MTBF for 16GB based on Telcordia SR -332, GB, 25°C	
	EDC/ECC Embedded EDC/ECC, based on BCH algorithm	
	Rate) <10 Reliability features	
	Built -in power - up self -test (BIT) Manual and automatic self - diagnostics TrueFFS bad block management Data integrity under power - cycling S.M.A.R.T (Self - Monitoring, Analysis and Reporting Technology) remote monitoring	
	Endurance Unlimited read cycles TrueFFS dynamic wear - leveling Garbage collection process	
	Enhanced Security Erase Entire disk security erase in seconds Partial security erase	
	Auto - resume security erase/sanitize on power interrupt Sanitize complies with NISPOM Dob 5220.22 -M, NSA 130 -2, Air Force AFSS 15020, Army 380 - 19, Navy NAVSO P -5239 -26 and IREC (IRIG) 106 NTISSP -9	
	Secure erase/sanitize software interrupt, hardware interrupt optional	
	RoHS Compliant	
	Warranty	
	5 years Ordering Information	
	SDSTH - CCCG- 000000 SD: Prefix: SanDisk	
	S: SATA interface T: Operating Temperature Range Blank - Commercial: 0°C to +70°C N - Enhanced: -25°C to +75°C X - Extended: -40°C to +85°C	
	H: Case Height A - 9.5mm up to 16GB	
	B - 14.5mm up to 64G8 C - 18.5 mm up to 112GB D - 22.5 mm up to 112GB CCC: Unformatide Capacity ((Bbytes): 001,002, 004, 008, 012, 016, 024, 032, 040, 048, 056, 064, 072, 080, 088, 096, 104, 112, 120, 128	
	G: Gbytes Note: 1 megabyte (MB) = 1 million bytes; 1 gigabyte (GB) = 1	
	billion bytes. Some of the listed capacity is used for formatting and other functions, and thus is not available for data storage. Read more.	
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