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SanDisk Business Products Embedded Computing SanDisk SSD Solid State Drives SSD (formerly FFD) UATA 2.5

**SSD (formerly FFD) UATA 2.5**

Outstanding Flash Disk Performance



The SanDisk SSD UATA 2.5<sup>®</sup> (formerly FFD 2.5<sup>®</sup> Ultra ATA) is a state-of-the-art solid-state flash disk, based on NAND flash technology, that provides the functionality of a hard disk with no moving parts. SSD UATA 2.5<sup>®</sup> is an ideal, rugged storage solution for mission-critical applications that must operate under harsh environmental conditions.

SSD UATA 2.5<sup>®</sup> delivers outstanding reliability and enhanced endurance thanks to SanDisk TrueFFS technology, which applies dynamic wear-leveling and bad block management. Due to its unique design, SSD UATA 2.5<sup>®</sup> provides high performance sustained read and write rates up to 100 MBytes/sec and supports Up to Ultra DMA 5.

SSD UATA 2.5<sup>®</sup> is fully compatible with the ATA-6 interface, and has the same mechanical dimensions and mounting holes of traditional mechanical disks. It is a true drop-in replacement for rotating 2.5<sup>®</sup> ATA disks with highest reliability.

Specifications

**Capacity**

Unformatted (Mbytes)	1, 2, 4, 8, 12, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96, 104, 112, 120, 128
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**IDE Compatibility**

ATA-6/ATA-5/ATA-4/ATA-3/ATA-2
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**Performance**

Burst Read/Write:	100 MBytes/sec
Sustained Read:	45 MBytes/sec
Sustained Write:	40 MBytes/sec
Access time:	<0.04 ms

**Physical**

Form factor:	2.5"
Mounting:	SFF standard, 44 pins connector
Case dimensions (mm):	100.2(L) X 69.8(W) X 9.4 to 21.4(H)
Weight:	0.1 Kg for 16GB, 0.22 Kg for 128GB

**Environmental**

Operating temperature:	
Commercial:	0°C to +70°C
Enhanced:	-25°C to +75°C
Extended:	-40°C to +85°C
Storage temperature:	-55°C to +85°C
Humidity:	5% to 95% relative, non-condensing
Operating altitude:	up to 80,000 feet
Operating shock:	1,500G, MIL-STD-810F
Operating vibration:	16.3G RMS (random, 20Hz to 2000Hz; 3 vibration axes), MIL-STD-810F

**Reliability**

MTBF:	1,485,397 operating hours MTBF for 16GB based on Telcordia SR-332, GB, 25°C
EDC/ECC:	Embedded EDC/ECC, based on BCH algorithm
BER (Bit Error Rate):	<10 <sup>-20</sup>

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 NISPOD DoD 5220.22-M, NSA 130-2, Air Force AFSSI 5020, Army 380-19, Navy NAVSO P-5239-26 and IREC (RIG) 100 INTISSP-9  
 Secure erase/sanitize software interrupt, hardware interrupt optional



**Warranty**  
5 years

**Ordering Information**

**SDATH - CCCG-000000**

**SD:** Prefix: SanDisk

**A:** ATA 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 - 9.4mm up to 16GB  
 B - 13.4mm up to 64GB  
 C - 17.4 mm up to 112GB  
 D - 21.4 mm up to 128GB

**CCC:** Capacity (Gbytes):  
 Unformatted: 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.](#)

**Additional Info**

- Product Photos
- Product Specifications