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- SSD (formerly FFD) UATA 2.5

SSD (formerly FFD) UATA 2.5

Outstanding Flash Disk Performance



The SanDisk SSD UATA 2.5[®] (formerly FFD 2.5[®] 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[®] is an ideal, rugged storage solution for mission-critical applications that must operate under harsh environmental conditions.

SSD UATA 2.5[®] 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[®] provides high-performance sustained read and write rates up to 100 MBytes/sec and supports Up to Ultra DMA 5.

SSD UATA 2.5[®] 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[®] 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

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 +95°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

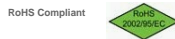
Reliability

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 ⁻²⁰

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 - 17.4mm up to 112GB
 D - 21.4mm 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