

# FiD 2.5" SATA 10000 Plus



## Features

- Excellent data transfer speed
- Support Thermal Sensor
- S.M.A.R.T. & i-S.M.A.R.T. supported
- Intelligent system for error recovery
- Mechanical design for anti-vibration

R:240MB/s  
W:240MB/s

SATA II  
3Gb/s

ECC &  
Wear leveling

Thermal  
sensor

S.M.A.R.T

## Specifications

Connector Type	Standard 7+15 pin SATA connector
Flash Type	SLC (Single-Level Cell)
Density	8GB, 16GB, 32GB, 64GB, 128GB
Interface	SATA II 3.0Gb
Sustained R/W Performance	Read : 240 MB/sec (max.) Write : 240 MB/sec (max.)

## Environmental

DC Input	+5V DC $\pm$ 5%
Power consumption (Max.)	Read: 450 mA Write: 560 mA Idle: 200 mA
Operating Temperature	0°C~+70°C (Standard Grade) -40°C~+85°C (Industrial Grade)
Storage Temperature	-55°C~+95°C
Humidity	Relative Humidity: 10-95%, non-condensing
Flash Endurance	100,000 program/erase cycles
MTBF	> 3,000,000 hours
Certification	CE, FCC, RoHS
Warranty	5 years

## Mechanicals

Dimension (W x L x H)	69.85x100.10x9.30 mm
Weight	95g $\pm$ 5g
Vibration	20G, 7 Hz to 2K Hz, , 3 axes
Shock	1500G, Duration: 0.5ms, , 3 axes

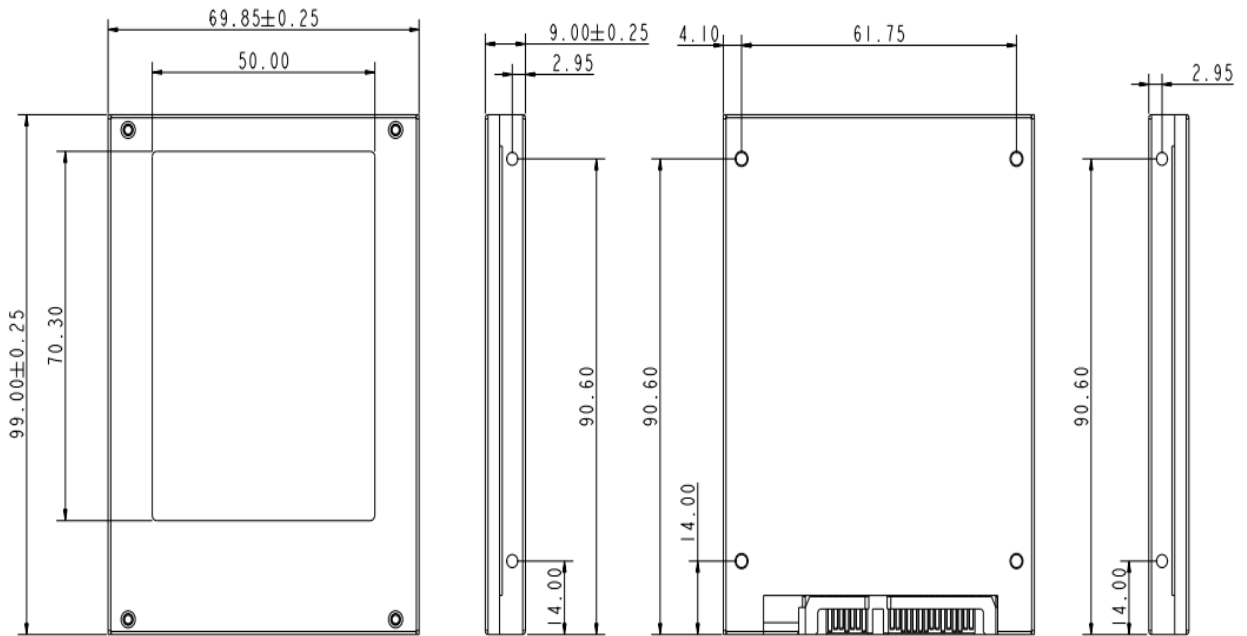
## Health monitoring Tool

S.M.A.R.T.	Supported
i-S.M.A.R.T.	Supported (Utility for Windows, Linux)

## Ordering Information

Capacity	Standard Grade	Industrial Grade
8GB	D2ST2- <u>08G</u> J20A <u>C</u> 2EB	D2ST2- <u>08G</u> J20A <u>W</u> 2EB
16GB	D2ST2- <u>16G</u> J20A <u>C</u> 2EB	D2ST2- <u>16G</u> J20A <u>W</u> 2EB
32GB	D2ST2- <u>32G</u> J20A <u>C</u> 2EB	D2ST2- <u>32G</u> J20A <u>W</u> 2EB
64GB	D2ST2- <u>64G</u> J20A <u>C</u> 2EB	D2ST2- <u>64G</u> J20A <u>W</u> 2EB
128GB	D2ST2- <u>A28J</u> 20A <u>C</u> 2EB	D2ST2- <u>A28J</u> 20A <u>W</u> 2EB

# Mechanical Dimension



# Integrated Thermal Sensor

As the speed of the SSD product get faster and faster, overall power consumption continues to increase. Accordingly, it brings a new concern: thermal management. The advantage of Thermal Sensor is that it will allow the SSD to either change the speed or throttle back on the flash accesses to allow the SSD to stay within temperature limits and prevent any reliability failures due to overheating.



SMART Disk Info | Status | Performance/Alert | System Info | About

C: 0 D:E: -16 F:G: -16

Health(%) 100 %

Temperature(Celsius) 0 °C

Emphase FD2510SI16G

Firmware: 090401 Drive Letter: C:  
 Serial Number: 20110110AAB000000070 Transfer Mode: SATA/300  
 Interface: Serial ATA Power On Count: 109  
 Standard: ATA7 Power On Hours: 0  
 Features: SMART LBA48 INQC TRIM Security T.Sensor

ID	Attribute Name	Item Value	Raw Values
0C	Power Cycle Count	109	320064646D000000000000
09	Power-On Hours	0	3200646400000000000000
C2	Temperature	0	0700206400000000000000
E9	Average Erase Count	0	0200640000000000000000
EA	Spare Block	0	0200640000E80001AA0000
EB	Later Bad Block	Lat:63 Rea:47108 Wri:0...	020064003FB80400000000
E5			02006400ECD3519558ECEC
E8			0200643039303333310802

DESIGN • SERVICE • QUALITY • DELIVERY

