Virtium
Memory and Storage Solutions

Product Brief

StorFly® 25

2.5” SATA 6G SSD

30GB – 480GB (CE)

8GB – 256GB (PE)



Industrial Embedded Technology for an Interconnected World

StorFly 25 – Ideal for applications that require high performance in an industry-standard 2.5” form factor



Designed, programmed, built and supported in the U.S. - fortified by locations worldwide.

Overview

Virtium’s StorFly® 25 SSDs are designed for the unique capacity, workload and product longevity requirements of a broad range of embedded systems. As rugged storage solutions, StorFly 25 products meet MIL-STD-810F standards for shock, vibration and altitude.

Virtium backs its world-class storage products with a three or five year warranty and delivers the longest product life cycles in the industry.

Applications

StorFly 25 SSDs are ideal for industrial automation, networking, server, blade and medical applications that require high performance in an industry-standard 2.5” form factor.

They are ideal as rugged alternatives to 2.5” HDDs and are also used in many military and ruggedized portable computers and data recorders.

Features

- Standard and industrial temperature
- vtGuard Power-Fail Protection
- SMART attribute reporting
- Global static and dynamic wear leveling
- MTBF 2M hours
- Compliance:

- SATA 6G, 3G and SATA 1.5G
- ATA/ATAPI-8 (ACS-2)
- FCC, CE, UL, RoHS, WEEE

Specifications		
Interface	SATA 6G (SATA III)	
Power (typical)	1.7.W	
UBER	< 1 sector error in 10^{15} bits read	
MTBF	>2M hours	
Environmental	MIL-STD-810F	
Mechanical Dimensions (mm)	100.5 x 69.85 x 7.0	
Class	**CE**	**PE**
Capacity Range[1]	30GB to 480GB	8GB to 256GB
NAND Flash	MLC	SLC
Read/write sequential[2] (MB/s)	Up to 530 / 430	Up to 370 / 280
Read/write IOPS[2]	Up to 69,000 / 15,000	Up to 25,700 / 2,300
Operating Temperature	Commercial: 0°C to 70°C	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
Endurance[2] (GB/day for 10 years)	51	709
Warranty	3 years	5 years

1: 1GB = 1,000,000,000 bytes
2: max capacity SSD

Ordering Information

VSFB25x(C/I)yyyG-zzz	VSF	Virtium StorFly
	B25x	Form factor and product class
	(C/I)	Commercial / Industrial operating temp
	yyyG	Capacity (1GB = 1,000,000,000 bytes)
	zzz	Virtium proprietary

Virtium manufactures memory and storage solutions for the world's top industrial embedded OEMs. For 18 years we have designed, built and supported our products in the USA - fortified by a network of global locations. Our world-class technology and unsurpassed support provide a superior customer experience that continuously results in better industrial embedded products for our increasingly interconnected world.

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