

StorFly[®] M.2

SATA 6G SSD

30GB – 480GB (CE)

8GB – 256GB (PE)



**Industrial Embedded
Technology for an
Interconnected World**

**StorFly M.2 SSDs are
designed to deliver high
performance in a small
form factor for many of
today's space-constrained
system requirements.**



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

Overview

Virtium's StorFly SSDs are designed for the unique capacity, workload and product longevity requirements of a broad range of embedded systems. As rugged storage solutions, StorFly M.2 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 M.2 SSDs are designed to deliver high performance in a small form factor for many of today's space-constrained system requirements. They are particularly well-suited for a broad variety of embedded infrastructure applications that include networking base stations, industrial automation equipment, and transportation control and data logging systems.

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)	42.15 x 22.15 x 3.65 (2242)	
	80.15 x 22.15 x3.65 (2280)	
Class	CE	PE
Capacity Range¹	30GB to 240GB	8GB to 128GB
NAND Flash	MLC	SLC
Read/write sequential² (MB/s)	Up to 530 / 430	Up to 370 / 280
Read/write IOPS²	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
Endurance² (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

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