Virtium
Solid State Storage and Memory

Product Brief

StorFly® M.2

SATA 6G SSD & PCIe

CE, XE and PE Classes



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
- vtView software accessable
- Global static and dynamic wear leveling

Specifications

Interface	SATA 6G (SATA III), 3G and 1.5G
Voltage / Power	3.3v / 1.7W
UBER	<1 sector error in 10^{15} bits read
MTBF	> 2M hours
Environmental	MIL-STD-810F
Compliance	ATA/ATAPI-8 (ACS-2), FCC, CE, UL, RoHS, WEEE
Dimensions (mm)	42.15 x 22.15 x 3.65 (2242) 80.15 x 22.15 x 3.65 (2280)

	CE	XE	PE
	Good	**Better**	**Best**
Media	MLC	iMLC	SLC
Capacity	30GB-480GB	30GB-480GB	8GB-256GB
***Endurance**	1X Baseline	7X Baseline	30X Baseline
Operating Temperature	0° to 70°C	-40° to 85°C	-40° to 85°C
Warranty	3 Years	5 Years	5 Years

* Endurance Baseline = one entire drive write per day for the entire warranty period.

Ordering Information

VSFBMxxx(C/I)yyyG-zzz

where:

VSF = Virtium StorFly

BMxxx = 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 two decades 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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