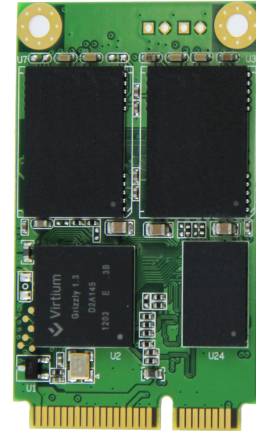# StorFly® mSATA

MO-300 SATA 6G SSD
CE, XE, and PE Classes

Industrial Embedded Technology for our Interconnected world

Overview

Virtium's StorFly® mSATA SSDs are designed for the unique capacity, workload and product longevity requirements of a broad range of embedded systems. As rugged storage solutions, StorFly mSATA 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.

StorFly mSATA – Ideal for applications that require a form factor with a volume that is roughly 10% that of a 2.5-inch SSD

Applications

StorFly mSATA SSDs can be designed into systems that implement SATA 3Gbps connectivity over a widely-used PCIe miniCard socket that has the added benefit of industry-standard clamping mechanism.

They are great for wearable or vehicle computers and other high shock and vibration applications that require a form factor with a volume that is less than 10% that of a 2.5-inch SSD.

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

Features

- Standard and industrial temperature
- vtGuard® Power-Fail Protection
- vtView® software accessable
- Global static and dynamic wear leveling
- Self Encrypting Drive (SED) optional

Specifications

Interface	SATA 6G (SATA III), 3G and 1.5G		
Voltage / Power	3.3v / 1.7W		
UBER	<1 sector error in 1015 bits read		
MTBF	> 2M hours		
Environmental	MIL-STD-810F		
Compliance	ATA/ATAPI-8 (ACS-2), FCC, CE, UL, RoHS, WEEE		
Dimensions (mm)	50.00 x 29.85 x 3.70		

	CE	XE	PE
Class			
Media	MLC (Good)	iMLC (Better)	SLC (Best)
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

VSF302x(C/I)yyyG-zzz

where:

VSF	Virtium StorFly
302x	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 networ 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.

Virtium®
Solid State Storage and Memory

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