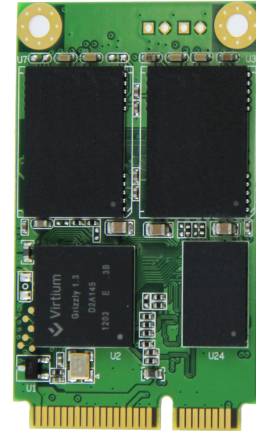


# StorFly® mSATA

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



**Industrial Embedded  
Technology for our  
Interconnected world**

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

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

## 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.

## 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.

## Features

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

## Specifications

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

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

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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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