Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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StorFly® mSATA

MO-300 SATA 6G SSD
CE, XE, and PE Classes
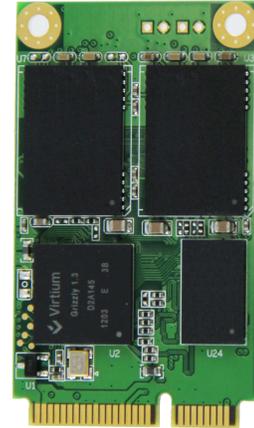
Industrial Embedded Technology for our Interconnected world

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 accessible
- 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

Class	CE	XE	PE
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