![Virtium - Memory and Storage Solutions]

StorFly® 300

MO-300 mSATA 6G SSD

30GB – 240GB (CE)

8GB – 256GB (PE)

Industrial Embedded Technology for an Interconnected World

StorFly 300 – Ideal for applications that require a form factor with a volume that is roughly 10% that of a 2.5-inch SSD

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

Overview

Virtium's StorFly® 300 SSDs are designed for the unique capacity, workload and product longevity requirements of a broad range of embedded systems. As rugged storage solutions, StorFly 300 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 300 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
- 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)	50.00 x 29.85 x 3.70	
Class	CE	PE
Capacity Range[1]	30GB to 240GB	8GB to 256GB
NAND Flash	MLC	SLC
Read/write sequential[2] (MB/s)	Up to 530 / 430	Up to 370 / 280
Read/write IOPS[2]	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
Endurance[2] (GB/day for 10 years)	25	709
Warranty	3 years	5 years

1: 1GB = 1,000,000,000 bytes
2: max capacity SSD

Ordering Information

VSF302x(C/I)yyyG-zzz	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 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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