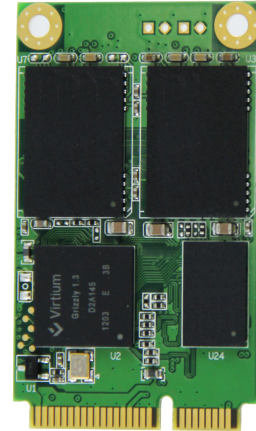


StorFly[®] mSATA

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

| | |
|------------------------|--|
| 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 |  |  |  |
|-----------------------|---|---|---|
| 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 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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[VSF302XI030G](#) [VSF302PC016G](#)