

# StorFly® 18

1.8" SATA 6G SSD  
CE, XE, and PE Classes



## Industrial Embedded Technology for our Interconnected world

**StorFly 18 - Ideal for industrial  
automation, networking, server,  
blade and medical applications**

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

## Overview

StorFly® 18 SATA CE, XE and PE SSDs deliver an optimal solid-state storage solution for embedded and industrial systems that may require a high-reliability replacement to hard-to-find 1.8" HDDs. StorFly 18 SSDs are also smaller, thinner, "eject-able" alternatives to 2.5".

SATA SSDs that provide the benefit of enhanced serviceability without the need for a hot-swap carrier. At a 5mm thickness, StorFly 18 SSDs are ideal for 1U server and blade applications where airflow and cooling are high priorities.

## Applications

StorFly 18 SSDs are ideal for industrial automation, networking, server, blade and medical applications that require high performance in a form factor only 5mm high. They are ideal as replacements for hard-to-find 1.8" HDDs and can be used in lieu of 2.5" for easy hot swapping and service.

StorFly 18 SSDs are also used in many military and ruggedized portable computers.

## Features

- Standard and industrial temperature
- vtGuard Power-Fail Protection
- vtView software accessible
- Global static and dynamic wear leveling

## 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> | 54.00 x 78.25 x 5.0                          |

| Class                        |  |  |  |
|------------------------------|---|---|---|
| <b>Media</b>                 | <b>MLC (Good)</b>   | <b>iMLC (Better)</b>  | <b>SLC (Best)</b>   |
| <b>Capacity</b>              | 30GB-960GB  | 16GB-480GB  | 8GB-256GB   |
| <b>*Endurance</b>            | 1X Baseline   | 7X Baseline   | 30X Baseline  |
| <b>Operating Temperature</b> | 0° to 70°C  | -40° to 85°C  | -40° to 85°C  |
| <b>Warranty</b>              | 3 Years   | 5 Years   | 5 Years   |

\* Endurance Baseline = one entire drive write per day for the entire warranty period.

## Ordering Information

VSF18x(C/I)yyyG-zzz

where:

|       |  |
|-------|--|
| VSF   | Virtium StorFly                        |
| B18x  | 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.

© Copyright 2018. All rights reserved. Virtium®, Storfly®, TuffDrive®, vtView®, vtGuard® are registered trademarks and vtSecure™ is a trademark of Virtium LLC. All other non-Virtium product names are trademarks of their respective companies.



30052 Tomas | Rancho Santa Margarita, CA 92688  
 Phone: 949-888-2444 | Fax: 949-888-2445  
[www.virtium.com](http://www.virtium.com)

PB001-1114-03