

# TuffDrive® eUSB

## eUSB 10-pin and Keys

8GB – 64GB



**Industrial Embedded  
Technology for an  
Interconnected World**

**TuffDrive eUSB 10-pin  
modules and keys are  
ideal solutions for  
applications that utilize  
chipsets that may not  
have a SATA interface**



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

### Overview

Virtium's TuffDrive® eUSB 10-pin modules and keys provide high reliability and targeted storage for server, networking, embedded, and industrial applications. They feature the widely supported USB 2.0 and 3.0 interfaces, ensuring compatibility with countless systems.

Virtium backs its world-class storage products with a five-year warranty and delivers the longest product life cycles in the industry.

### Applications

TuffDrive eUSBs are ideal solutions for operating system and file storage and system level diagnostics in applications that utilize chipsets that may not have a SATA interface.

Even if a host system has integrated SATA, many engineers find that eUSB modules are beneficial for storing configuration information and for providing a backup repository for data in DRAM in the event of a system-level power down.

### Features

- 10-pin modules available in standard 2.54mm or low profile 2mm connector configurations
- Keys available in both short and long key configurations
- Standard and industrial temperature
- USB 2.0 and 3.0 compliant

## Specifications

|                        |                                   |
|------------------------|-----------------------------------|
| <b>Interface</b>       | USB                               |
| <b>Voltage/Power</b>   | 5v / 1.7W                         |
| <b>UBER</b>            | <1 sector error in 1015 bits read |
| <b>MTBF</b>            | > 2M hours                        |
| <b>*Endurance</b>      | 30X Baseline                      |
| <b>Dimensions (mm)</b> | 69.85 x 100.5 x 7 / 9.5           |
| <b>Warranty</b>        | 5 Years                           |

|                      | <b>10-pin<br/>2.00mm</b> | <b>10-pin<br/>2.54mm</b> | <b>Short Key</b>            | <b>Long Key</b>             |
|----------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|
| <b>Dimensions</b>    | 36.90 x 26.60            | 36.90 x 26.60 x<br>5.95  | 45.35 x 17.90 x<br>6.20     | 71.40 x 17.90 x<br>8.00     |
| <b>Environmental</b> | MIL-STD-810F             | MIL-STD-810F             | IEC 68-2-27<br>& IEC 68-2-6 | IEC 68-2-27 & IEC<br>68-2-6 |

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

## Ordering Information

### **VTDUxxP(C/I)yyy(G/M)-zzz**

where:

VTDUxxP= Virtium TuffDrive eUSB

(C/I) = Commercial/Industrial operating temp.

yyy = Capacity

(G/M) = Gigabyte / Megabyte

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 2016. All rights reserved. Virtium®, Storfly® and TuffDrive® are registered trademarks 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)

PB007-1114-03