

# TuffDrive® CF

Industrial Grade Compact Flash  
128 GB - 64 GB



**Industrial Embedded Technology for  
our Interconnected world**

**TuffDrive CF cards are ideal for  
industrial automation, networking,  
and medical applications that require  
a small form factor.**

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

## Overview

Virtium's TuffDrive® CF CompactFlash cards are designed for the unique capacity, workload and product longevity requirements of a broad range of embedded systems.

As rugged storage solutions, TuffDrive CF products meet MIL-STD-810 standards for shock, vibration and altitude. Virtium backs its world-class storage products with a five-year warranty and delivers the longest product life cycles in the industry.

## Applications

TuffDrive CF CompactFlash cards are ideal for industrial automation, networking and medical applications that require high performance in a small, framed, "eject-able" form factor.

An industry standard backed by the CompactFlash Association, CompactFlash is a true workhorse in industrial embedded systems with tens of millions of installations worldwide.

## Features

- Standard and industrial temperature
- SMART attribute reporting
- Global static and dynamic wear leveling
- Field upgradeable firmware functionality

## Specifications

|                       |                                              |             |              |
|-----------------------|----------------------------------------------|-------------|--------------|
| Interface             | PATA / PCMCIA                                |             |              |
| Voltage / Power       | 5v / 1.7W                                    |             |              |
| UBER                  | <1 sector error in 1015 bits read            |             |              |
| Environmental         | MIL-STD-810F                                 |             |              |
| Compliance            | ATA/ATAPI-8 (ACS-2), FCC, CE, UL, RoHS, WEEE |             |              |
| Dimensions (mm)       | 36.4 x 42.8 x 3.3                            |             |              |
| Media                 | SLC                                          |             |              |
| Operating Temperature | -40° to 85°C                                 |             |              |
| *Endurance            | 30X Baseline                                 |             |              |
| Warranty              | 5 Years                                      |             |              |
|                       | 4A8                                          | 1x7         | 1C1          |
| Capacities            | 128MB to 512MB                               | 1GB to 16GB | 32GB to 64GB |
| CFA Compliance        | CFA 3.0                                      | CFA 4.1     | CFA 4.1      |

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

## Ordering Information

### VTDCFBP(C/I)yyy(G/M)-zzz

where:

VTDCFBP = Virtium TuffDrive

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

yyy = Capacity

(G/M) = Gigabyte / Megabyte

zzz = Virtium proprietary

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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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