

# 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		
	<b>4A8</b>	<b>1x7</b>	<b>1C1</b>
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

---

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®, vtView®, StorFly® and TuffDrive® are registered trademarks and vtGuard™, vtSecure™ and vtEdge™ are 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)