

# TuffDrive® CF

## Industrial Grade CompactFlash

128MB – 64GB



**Industrial Embedded  
Technology for an  
Interconnected World**

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



**Designed, programmed, 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

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

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

## Ordering Information

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

where:

VTDCFAP = 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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