



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

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	1C1	1C1
Capacity	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

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

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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