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!

Contact us

TuffDrive® eUSB

eUSB 10-pin Modules and Keys

8GB – 64GB (PE)

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
- MTBF 5M hours
- USB 2.0 and 3.0 compliant

Specifications	
Operating temp (standard, industrial)	0°C to 70°C, -40°C to 85°C
MTBF	5M hours
Environmental	MIL-STD-810 (10-pin modules)
	IEC 68-2-27, IEC 68-2-6 (keys)
Endurance	100K
Data retention	10 years at <10% endurance; 1 year at max endurance
Mechanical Dimensions (mm)	36.90 x 26.60 x 9.75 (10-pin module, 2.54 mm pitch)
	36.90 x 26.60 x 5.95 (10-pin module, 2.00 mm pitch)
	45.35 x 17.90 x 6.20 (short key)
	71.40 x 17.50 x 8.00 (long key)
Warranty	5 years
Class	**PE**
NAND Flash	SLC
Capacity Range	8GB to 64GB
Read/write sequential[1] (MB/s)	Up to 37 / 35 (10-pin modules)
	Up to 160 / 125 (keys)
USB Interface	2.0 and 3.0

Ordering Information

VTDUxxP(C/I)yyyG-zzz	VTDU	Virtium TuffDrive eUSB
	xxP	21P (10-pin 2.54mm), 22P (10-pin 2.0mm), 24P (short key), or 25P (long key)
	(C/I)	Commercial / Industrial operating temp
	yyyG	Capacity (1GB = 1,000,000,000 bytes)
	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.