



TuffDrive® USB Key – USB 3.1 Gen 1 High Speed SSD

Industrial Long Key USB3 Type A, SLC

VTDU45PI032G-V11

Product Brief - Rev. 1.0
See Datasheet for all details



Description

Virtium TuffDrive USB Key SSDs are ideal solutions for server, networking, embedded and industrial applications that require a modest amount of storage and require a widely supported USB3.1 Gen 1 interface. Typical applications include operating system and file storage, system level diagnostics, or as a backup repository for data in DRAM in the event of a system-level power-down.

Features

Capacity

- 32 GB

SLC NAND

Performance

- Sequential Read: 167 MB/s
- Sequential Write: 92 MB/s

Voltage Supply: 5V ±10%

Power Consumption

- Sequential Read: 1.10 W
- Sequential Write: 1.02 W
- Idle: 0.19 W

Temperature Ranges

- Industrial: -40°C to 85°C
- Non-Operating: -40°C to 85°C

Reliability

- Flexible 96-Bit/1K BCH ECC
- MTBF: >5M hours

Endurance

- JESD219A: 404.07 TBW
- Sequential: 3,259.05 TBW

SMART Attribute Reporting

- Monitors device health
- Anticipates and predicts failures

Mechanical Dimensions

- Long Key USB3 Type A
- Length x Width x Height mm (inches)
71.40 (2.811) x 17.50 (0.689) x 8.00 (0.315)

Environmental (Non-operating)

- Humidity (non-condensing): 5% to 95%
- Shock: 1500G, half-sine wave, 0.5ms duration
- Vibration: 20G, 20 Hz to 2000 Hz

Compliance

- USB 3.1 Gen 1
- FCC, CE, UL, RoHS, WEEE



Electrostatic Discharge (ESD) can damage this device. When handling the device, always wear a grounded wrist strap and use a static dissipative surface.



Any damage to the unit that occurs after its removal from the shipping package and ESD protective bag is the responsibility of the user.