



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

Industrial ShortKey USB3 Type A, pSLC

VTDU44XI064G-V11

Product Brief - Rev. 1.3
See Datasheet for all details



Description

Virtium TuffDrive® eUSB Key SSDs are ideal solutions for server, networking, embedded and industrial applications that require a modest amount of storage and require a widely supported USB 3.1 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

- 64 GB

pSLC NAND

Performance

- Sequential Read: 151 MB/s
- Sequential Write: 52 MB/s

Voltage Supply: 5V ±10%

Power Consumption

- Sequential Read: 0.86 W
- Sequential Write: 0.71 W
- Idle: 0.38 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

SMART Attribute Reporting

- Monitors device health
- Anticipates and predicts failures

Mechanical Dimensions

- ShortKey USB3 Type A
- Length x Width x Height (mm/inches)
49.01 (1.929) x 18.70 (0.736) x 8.00 (0.315)

Compliance

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

Environmental (Non-operating)

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



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.