

Apacer

The Most **Reliable**
Storage For Industries

UT130-UFD9



Overview

Apacer's UT130-UFD9 is a USB flash drive featuring ultra-high performance and compatibility with the latest USB specification – USB 3.2 Gen2 x1, delivering a maximum transfer rate of 10 Gb/s. Equipped with a single controller, this cutting-edge device is designed to supersede conventional IDE hard disk drives. With compliance to the USB 3.2 specification, it delivers exceptional performance with transfer rates of up to 950 MB/s.



Harnessing the power of 3D NAND technology for capacities up to 1TB and offering superior power efficiency compared to 2D NAND, UT130-UFD9 seamlessly integrates into standard Embedded USB connectors commonly found in desktops, portable PCs, and industrial systems. For enhanced reliability, UT130-UFD9 is equipped with an LDPC (Low Density Parity Check) ECC engine, ensuring extended SSD endurance and heightened data reliability. Its sleek design and robust metal housing not only prevent mechanical interference but also provide environmental and ESD protection.

In terms of flash management, UT130-UFD9 incorporates various advanced features, including a powerful hardware ECC engine, wear leveling, power failure management, flash block management, page mapping, Hyper Cache technology, and SMART Read Refresh.

With its exceptional performance, cost-effective design, mechanical protection, and increased reliability, UT130-UFD9 is an ideal storage solution for a variety of applications, ranging from industrial, imaging, and computing to enterprise markets.

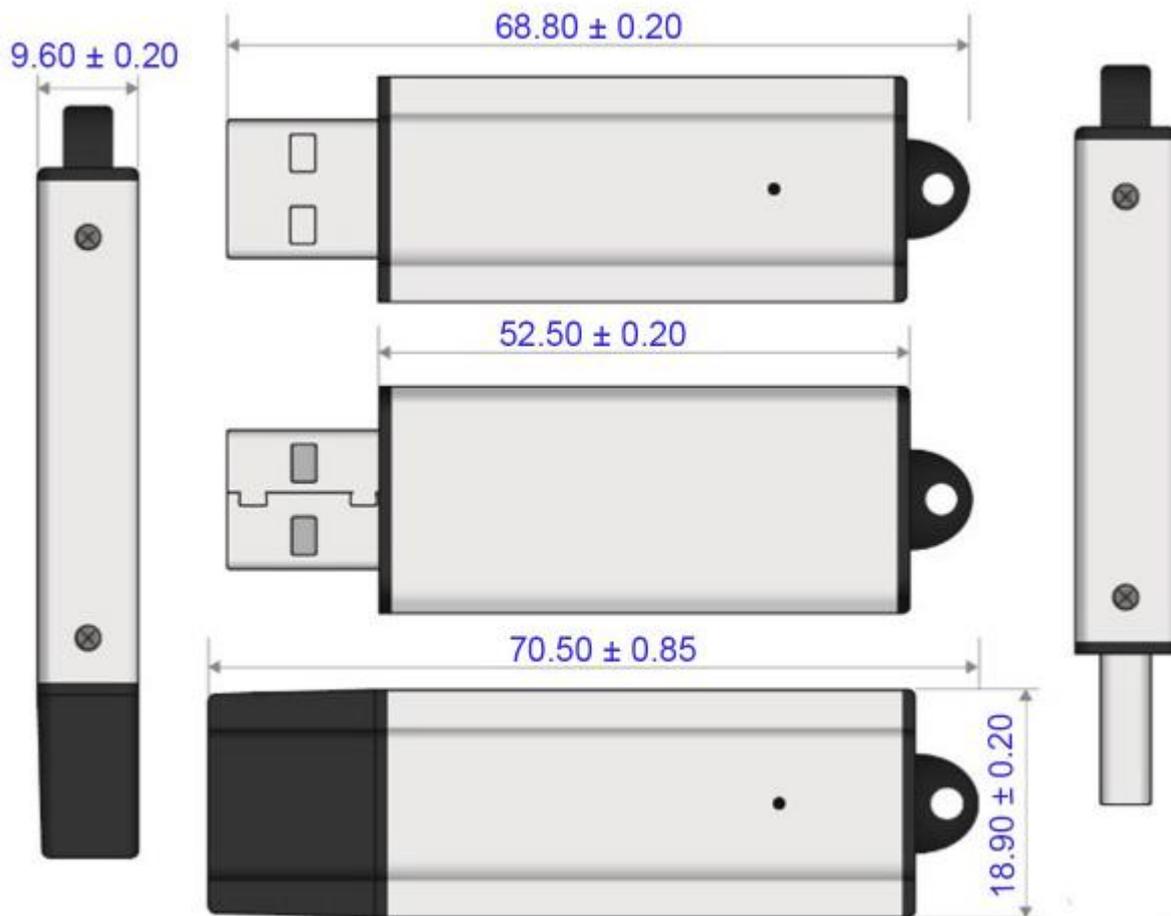
Feature

- UB 3.2 Gen2 x1
- Fixed Disk
- Adopts advanced LDPC ECC engine with 3D NAND flash memory to improve reliability
- Global Wear Leveling
- Flash bad-block management
- 4K Page Mapping
- Power Failure Management
- S.M.A.R.T.
- Hyper Cache Technology
- Smart Read Refresh™

Specifications

Model	UT130-UFD9
Interface	USB 3.2 Gen2 x1
Connector	Type-A
Form Factor	USB Flash Drive
NAND Flash Type	3D TLC
Capacity	128GB~1TB
External DRAM	No
Sequential Read Performance (MB/sec)	Up to 950
Sequential Write Performance (MB/sec)	Up to 950
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	70K
Standard Operating Temperature (°C)	0 ~ 70
Extended Operating Temperature (°C)	-40 ~ 85
Housing	Yes
Shock	Operation: 50G/11ms (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K)
Vibration	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 4.02(Grms), 15~2000(Hz)/random (compliant with MIL-STD-810G)
Operating Voltage	5.0 V ± 5%
Power Consumption	Active mode: 400 mA; Idle mode: 150 mA
Dimension (L x W x H)	70.5 x 18.9 x 9.6 (mm)
MTBF (hours)	>3,000,000

Mechanical Specification



Unit: mm

**For more information,
contact your Apacer representative**

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