

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.

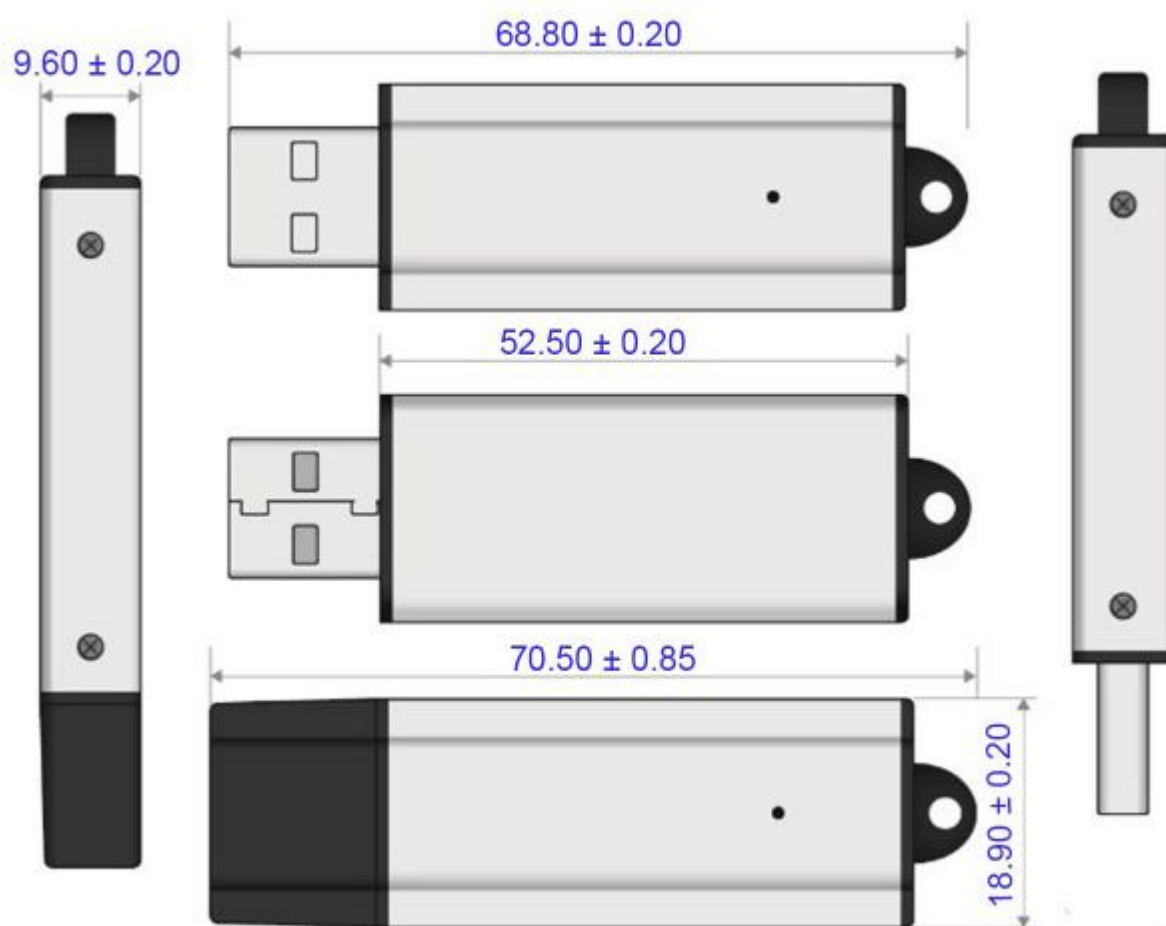
Feature

- 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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