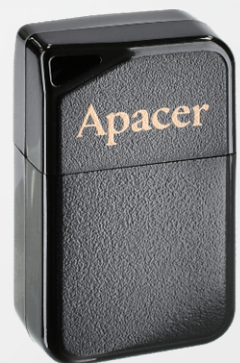


# Apacer

The Most **Reliable**  
Storage For Industries

UT110-UFD2



## UT110-UFD2

### Overview

Apacer's UT110-UFD2 is a new generation USB flash drive compatible with the USB 3.2 Gen1 Super Speed, with a maximum transfer rate of 5 Gb/s designed to replace a conventional IDE hard disk drive. The connector is backward compatible with USB 2.0 and USB 1.1 interfaces. With compliance with USB 3.2 specification, this USB drive can deliver up to 270 MB/s outstanding performance.



Utilizing 3D NAND and providing more power efficiency than 2D NAND, UT110-UFD2 is not only implemented with LDPC (Low Density Parity Check) ECC engine to extend SSD endurance and increase data reliability, but also built with the highest durability and ruggedness with a special Chip-On-Board (COB) packaging technology, which allows your precious files to be safely stored and protected against dust, water and shock at all times.

In terms of flash management, UT110-UFD2 adopts the latest page mapping file translation layer and comes with various implementations including powerful hardware ECC engine, wear leveling, flash block management, S.M.A.R.T., power failure management, Hyper Cache technology and SMART Read Refresh™. This product is well suited for embedded flash storage applications offering new and expanded functionality as well as more cost-effective design, better performance and increased reliability.

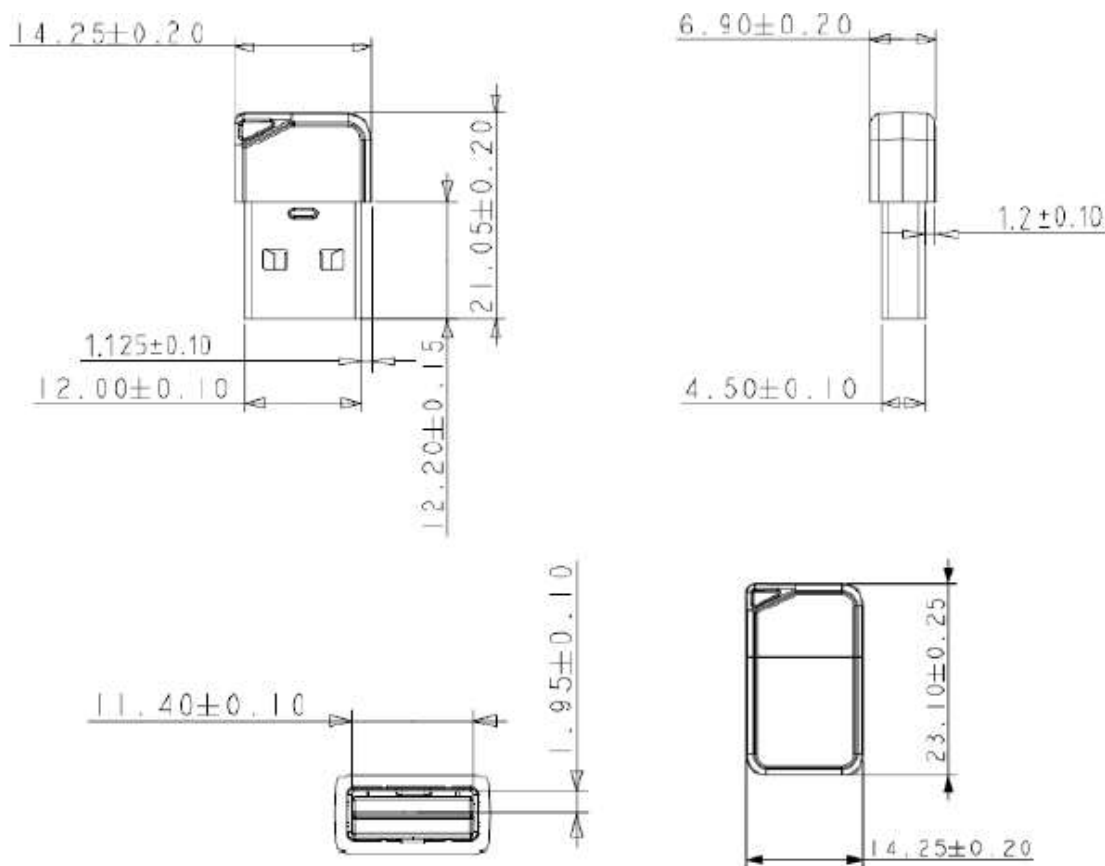
### Feature

- 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	UT110-UFD2
Interface	USB 3.2 Gen1
Connector	USB Type-A Plug
Form Factor	USB flash drive
NAND Flash Type	3D TLC
Capacity	64GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 270
Sustained Write Performance (MB/sec)	Up to 85
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	500
Standard Operating Temperature ( °C )	0 ~ + 70
Extended Operating Temperature ( °C )	No
Storage Temperature ( °C )	-40 ~ 100
Housing	Yes
H/W Write Protect	No
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: 130 mA; Idle mode: 60 mA
Dimension (L x W x H )	23.10 x 14.25 x 6.90 (mm)
MTBF (hours)	>3,000,000

## Mechanical Specification



Unit: mm  
Tolerance:  $\pm 0.2$

For more information,  
contact your Apacer representative

## Global Presence

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