

# Apacer

The Most **Reliable**  
Storage For Industries

**UT110-UFD5**



## UT110-UFD5

### Overview

Apacer's UT110-UFD5 is a next-generation, high-performance USB flash drive designed to meet the latest USB 3.2 Gen1 SuperSpeed specifications, providing transfer rates up to 5 Gb/s, making it an ideal replacement for conventional IDE hard drives. The connector is also backward compatible with USB 2.0 and USB 1.1 interfaces, ensuring broad usability. Compliant with USB 3.2, UT110-UFD5 achieves impressive performance of up to 275 MB/s while maintaining low power consumption.



Utilizing 3D NAND technology for capacities up to 256GB, UT110-UFD5 offers improved power efficiency than 2D NAND. It is designed to interface with standard Embedded USB connectors commonly found in desktops, portable PCs, and industrial systems. For enhanced reliability, the drive incorporates an LDPC (Low Density Parity Check) ECC engine, extending its endurance and enhancing data integrity.

In terms of flash management, UT110-UFD5 incorporates the latest page mapping file translation layer and includes a suite of advanced technologies such as a robust hardware ECC engine, wear leveling, flash block management, S.M.A.R.T., power failure management, Hyper Cache technology, and SMART Read Refresh. This makes it an excellent choice for embedded flash storage applications, providing enhanced functionality, cost-effectiveness, superior performance, and increased reliability.

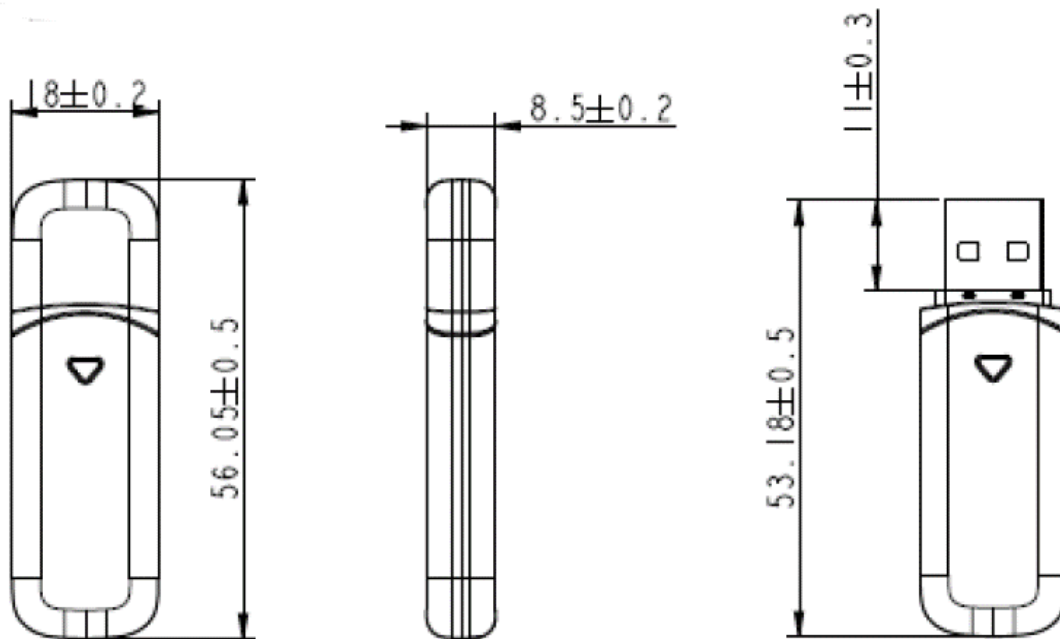
### Feature

- 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

<b>Model</b>	UT110-UFD5
<b>Interface</b>	USB 3.2 Gen1
<b>Connector</b>	Type-A
<b>Form Factor</b>	USB flash drive
<b>NAND Flash Type</b>	3D TLC
<b>Capacity</b>	64GB~256GB
<b>External DRAM</b>	No
<b>Sequential Read Performance (MB/sec)</b>	Up to 275
<b>Sequential Write Performance (MB/sec)</b>	Up to 190
<b>ECC Engine</b>	Low-Density Parity-Check (LDPC) Code
<b>IOPS (4K Random Write)</b>	1000
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Extended Operating Temperature ( °C )</b>	-
<b>Storage Temperature ( °C )</b>	-55 ~ 100
<b>Housing</b>	Yes
<b>H/W Write Protect</b>	-
<b>Screw Hole</b>	-
<b>Shock</b>	Operation: 50G/11ms (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K)
<b>Vibration</b>	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)
<b>Operating Voltage</b>	5.0 V ± 5%
<b>Power Consumption</b>	Active mode: 210 mA; Idle mode: 75 mA
<b>Dimension (L x W x H )</b>	56.05 x 18.00 x 8.50 (mm)
<b>MTBF (hours)</b>	>3,000,000

## Mechanical Specification



Unit: mm

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

### Global Presence

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