

Apacer

The Most **Reliable**
Storage For Industries

UT110-UFD2



UT110-UFD2

Overview

Apacer's UT110-UFD2 utilizes 3D NAND for higher capacity up to 64 GB and provides more power efficiency than 2D NAND, with the aim of replacing a conventional IDE hard disk drive.

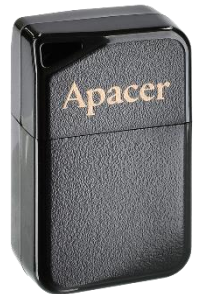
UT110-UFD2 is a new generation USB flash drive compatible with the latest USB specification – USB 3.1 Gen1 (SuperSpeed), with a maximum transfer rate of 5.0 Gbps. The connector is backward compatible with USB 2.0 and USB 1.1 interfaces. With compliance with USB 3.1 specification, this USB drive can deliver up to 255 MB/s outstanding performance.

UT110-UFD2 is 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.

Reliability wise, UT110-UFD2 is implemented with LDPC (Low Density Parity Check) ECC engine to extend SSD endurance and increase data reliability while reading raw data inside a flash chip. In addition, the drive comes with various implementations including powerful hardware ECC engine, Wear Leveling , flash block management, S.M.A.R.T., Page Mapping, etc. This product is well suited for portable flash storage applications while operating at minimal power consumption.

Feature

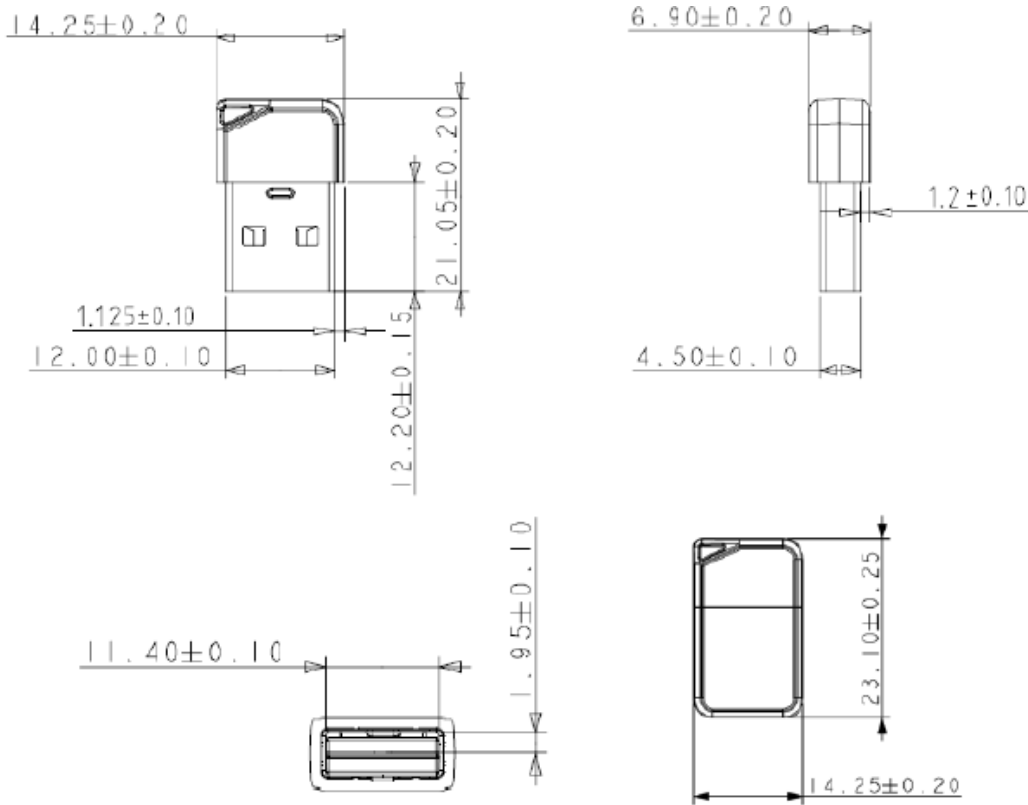
- Adopts advanced LDPC ECC engine with 3D NAND flash memory to improve reliability
- Global Wear Leveling
- Flash bad-block management
- Page Mapping
- Power Failure Management
- S.M.A.R.T.
- Hyper Cache Technology
- SMART Read Refresh™



Specifications

Model	UT110-UFD2
Interface	USB 3.1 Gen1
Connector	USB Type A Plug
Form Factor	USB flash drive
NAND Flash Type	3D TLC
Capacity	32GB~64GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 250
Sustained Write Performance (MB/sec)	Up to 100
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	600
Standard Operating Temperature (°C)	0 ~ + 70
Storage Temperature (°C)	-40 ~ 100
Housing	Yes
H/W Write Protect	No
Screw Hole	No
Cable-less Solution	No
Thermal sensor	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: 45 mA
Dimension (L x W x H)	23.10 mm x 14.25 mm x 6.90 mm
MTBF (hours)	>1,000,000

Mechanical Specification



Unit: mm
Tolerance: ± 0.2

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

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