

The Most **Reliable** Storage For Industries

UH110-UFD7



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Overview

Apacer UH110-UFD7 is a new USB flash drive with Type-C connector applied for industry. It is compatible with the latest USB specification – USB 3.2 Gen1 Super Speed, with a maximum transfer rate of 5 Gb/s. 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 and operate at minimal power consumption.



Utilizing 3D NAND for higher capacity up to 64GB and providing more power efficiency than 2D NAND, UH110-UFD7 is designed to replace a conventional IDE hard disk drive. The USB is not only implemented with LDPC (Low Density Parity Check) ECC engine to extend SSD endurance and increase data reliability, but also equipped with Apacer's SLC-liteX technology to perform with higher number of P/E cycles up to 30,000 times. In addition, the USB 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 and Smart Read Refresh™.

With compact size, slim and sleek Type-C connector tailored to fit mobile device designs, UH110-UFD7 is well suited for a wide variety of new generation products with USB-C connector. It has also been put through all rigorous tests to prove that it is a perfect match for industrial-grade products.

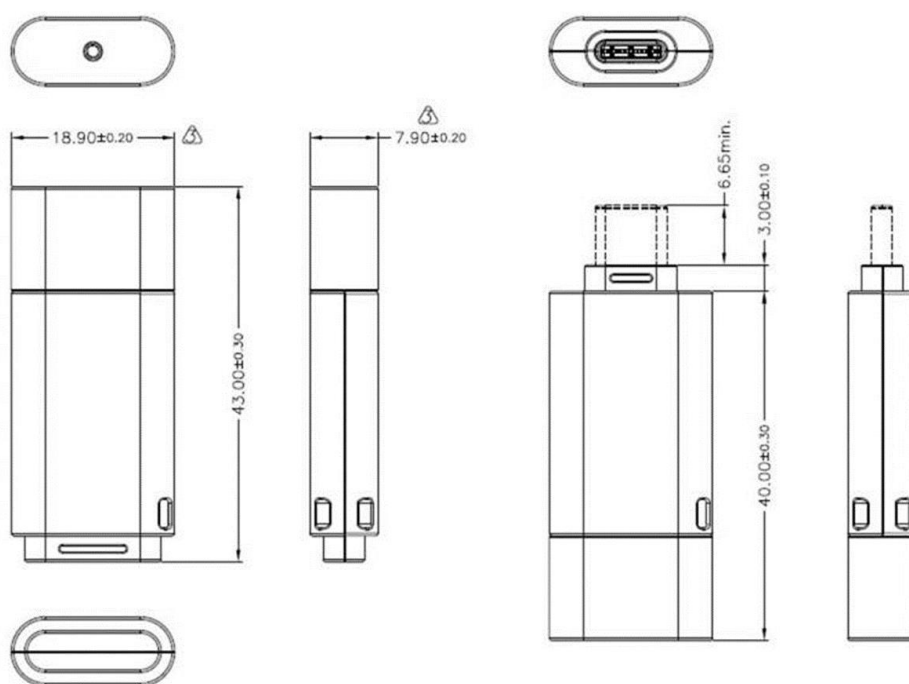
Feature

- 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™
- SLC-liteX

Specifications

Model	UH110-UFD7
Interface	USB 3.2 Gen1
Connector	USB Type C Plug
Form Factor	USB flash drive
NAND Flash Type	3D TLC
Capacity	32GB~64GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 270
Sustained Write Performance (MB/sec)	Up to 195
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	1200
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-55 ~ 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: 195 mA; Idle mode: 85 mA
Dimension (L x W x H)	43.00 x 18.90 x 7.90 (mm)
MTBF (hours)	>3,000,000

Mechanical Specification



Unit: mm

For more information,
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