

Apacer

The Most **Reliable**
Storage For Industries

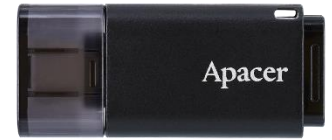
UH110-UFD7



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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 275 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.

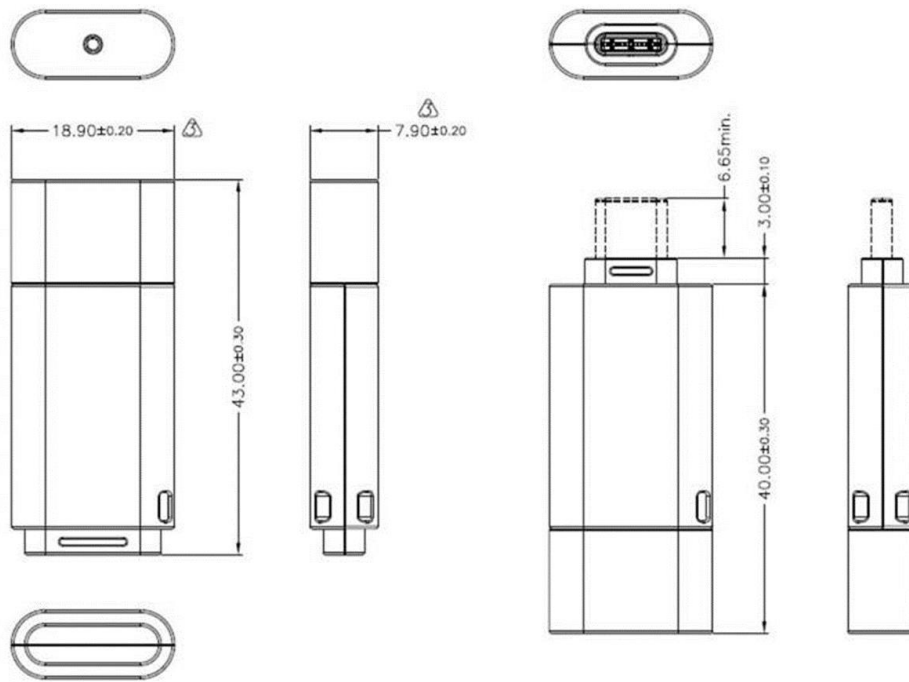
Feature

- 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.
- 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 275 |
| Sustained Write Performance (MB/sec) | Up to 195 |
| ECC Engine | Low-Density Parity-Check (LDPC) Code |
| IOPS (4K Random Write) | 1500 |
| 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: 190 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,
contact your Apacer representative**

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