Apacer

The Most **Reliable** Storage For Industries

UV110-UFD5





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Overview

Apacer's UV110-UFD5 utilizes 3D NAND for higher capacity up to 256GB, provides more power efficiency than 2D NAND and enhances environment and ESD protection, with the aim of replacing a conventional IDE hard disk drive.



UV110-UFD5 is a new generation USB flash drive compatible with the latest USB specification — USB 3.1 Gen1 Super Speed, with a maximum transfer rate of 5.0 Gb/s. 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.

Reliability wise, UV110-UFD5 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

- ESD Prevention: Air discharge ±15KV; contact discharge ±8KV
- · 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™

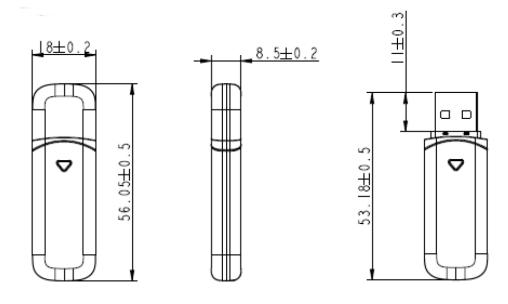


Specifications

ModelUV110-UFD5InterfaceUSB 3.1 Gen1ConnectorUSB Type A PlugForm FactorUSB flash driveNAND Flash Type3D TLCCapacity64GB~256GBExternal DRAMNoSustained Read Performance (MB/sec)Up to 255Sustained Write Performance (MB/sec)Up to 120ECC EngineLow-Density Parity-Check (LDPC) CodeIOPS (4K Random Write)900Standard Operating Temperature (°C)0 ~ + 70Extended Operating Temperature (°C)-40 ~ + 85Storage Temperature (°C)-40 ~ + 100HousingYesH/W Write ProtectNoOperation: 50G/11ms (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K)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)
Connector Connector USB Type A Plug Form Factor USB flash drive NAND Flash Type 3D TLC Gapacity 64GB~256GB External DRAM No Sustained Read Performance (MB/sec) Up to 255 Sustained Write Performance (MB/sec) ECC Engine Low-Density Parity-Check (LDPC) Code IOPS (4K Random Write) 900 Standard Operating Temperature (°C) Extended Operating Temperature (°C) -40~+85 Storage Temperature (°C) Housing Yes H/W Write Protect No Operation: 50G/11ms (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K) Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 4.02 Grms, 15~2000 Hz/random
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Shock (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K) Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 4.02 Grms, 15~2000 Hz/random
Vibration (compliant with MIL-STD-810G) Non-operation: 4.02 Grms, 15~2000 Hz/random
Operating Voltage 5.0 V ± 5%
Power Consumption Active mode: 205 mA; Idle mode: 75 mA
Dimension (L x W x H) 56.05 x 18.00 x 8.5 (mm)
MTBF (hours) >3,000,000



Mechanical Specification



Unit: mm

For more information, contact your Apacer representative

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