Apacer

The Most **Reliable**
Storage For Industries

UH110-UFM1

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Overview

Apacer's UH110-UFM1 is a high performance, embedded solid state drive (SSD) designed to replace a conventional IDE hard disk drive. Utilizing 3D NAND, UH110-UFM1 can be plugged into a standard Embedded USB connector commonly found in desktops, portable PC systems and industrial PC systems. This product is well suited for embedded flash storage applications offering new and expanded functionality as well as more cost-effective designs, better performance and increased reliability.

Feature

· Adopts advanced LDPC ECC engine with 3D NAND SLC-liteX technology to improve reliability

· Global Wear Leveling

· Flash bad-block management

· 4K Page Mapping

· S.M.A.R.T.

· Hyper Cache Technology

· SMART Read RefreshTM

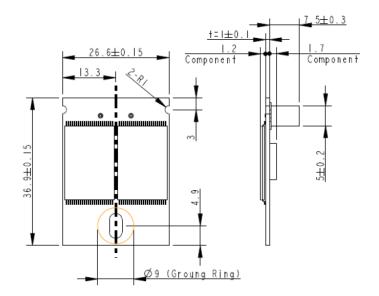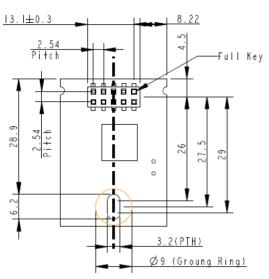## Specifications

Model	UH110-UFM1
Interface	USB 2.0
Connector	10-pin (2x5) female header in 2.54mm
Form Factor	USB Disk Module
NAND Flash Type	3D TLC
Capacity	8GB~32GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 41
Sustained Write Performance (MB/sec)	Up to 25
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	500
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ 100
Housing	No
H/W Write Protect	No
Screw Hole	Yes
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: 95 mA; Idle mode: 70 mA
Dimension (L x W x H)	36.9 mm x 26.6 mm x 9.7 mm
MTBF (hours)	>3,000,000

Mechanical Specification

Unit: mm
Tolerance: ±0.2

For more information,
contact your Apacer representative

Global Presence