

The Most **Reliable**
Storage For Industries

UDM2A LP 90D (Type E)



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Overview

Apacer's UDM2A LP 90D (Type E) is a high performance, highly reliable, high endurance USB2.0 flash disk module in a small form factor designed for embedded applications or the system as a boot drive. The 10-pin USB connector on the Type E with pitch size 2.00 mm could perfectly fit in low profile system. The device built with premium SLC delivers the data integrity and highest endurance in a wide range of platform.



*The actual available memory on the device is less than what is listed on the package. This is due to small discrepancies in file formats and algorithms used by various operating systems. In addition, a portion of memory space is reserved for system files and data sectors for better performance.

Feature

- Built-in hardware ECC
- Global wear-leveling
- Flash bad-block management
- S.M.A.R.T.
- Lock switch design for write-protection(Optional)

Specifications

Model	UDM2A LP 90D (Type E)
Interface	USB2.0
Connector	10 pin USB(2x5) female header in 2.00mm
Form Factor	USB Disk Module
Transfer Mode	–
NAND Flash Type	SLC
Capacity	256MB~32G
Sustained Read Performance (MB/sec)	Up to 44
Sustained Write Performance (MB/sec)	Up to 41
ECC Engine	Built-in 72-bit per 1K bytes BCH ECC
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
H/W Write Protect	Optional
Shock	Operation: Acceleration, 50(G)/11(ms)/half sine (compliant with MIL-STD-202G) Non-operation: Acceleration,1,500(G)/0.5(ms)/half sine (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 V ± 5%
Power Consumption	Active mode: 110 mA & Idle mode:45 mA
Dimension (L x W x H)	36.8 x 26.5 x 7.1 mm
MTBF (hours)	>2,000,000

