

# Apacer

The Most **Reliable**  
Storage For Industries

UDM2A LP 90D (Type E)



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## UDM2A LP 90D (Type E)

### 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.

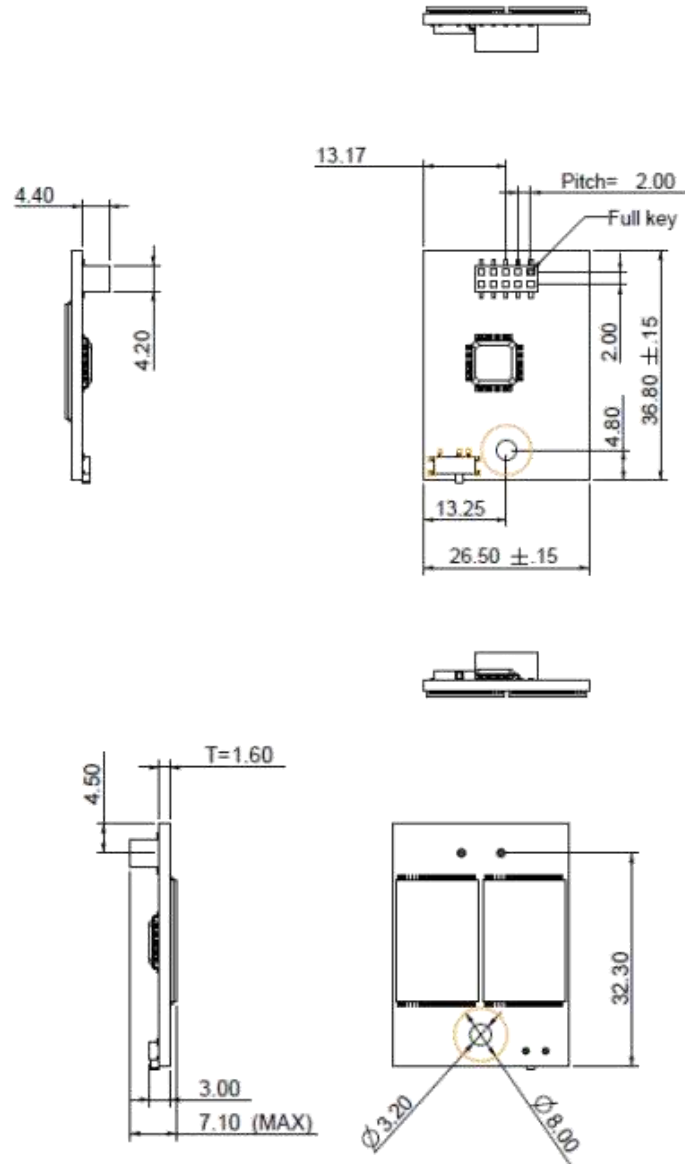
### Feature

- Built-in hardware ECC
- Global wear-leveling
- Flash bad-block management
- S.M.A.R.T.

## Specifications

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

## Mechanical Specification



Unit: mm

For more information,  
contact your Apacer representative

### Global Presence

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