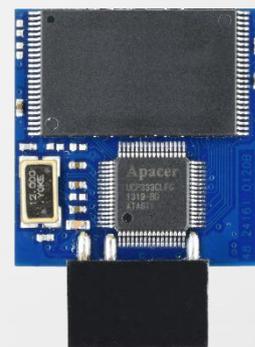


# Apacer

The Most **Reliable**  
Storage For Industries

UDMII Plus LP 180D (Type D) (H)



## UDMII Plus LP 180D (Type D) (H)

### Overview

Apacer's USB-Disk Module (UDM) II Plus is a USB2.0 high speed flash storage designed to replace a conventional IDE hard disk drive.

UDMII Plus LP 180D coming with both w/o housing and with house 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.

\*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

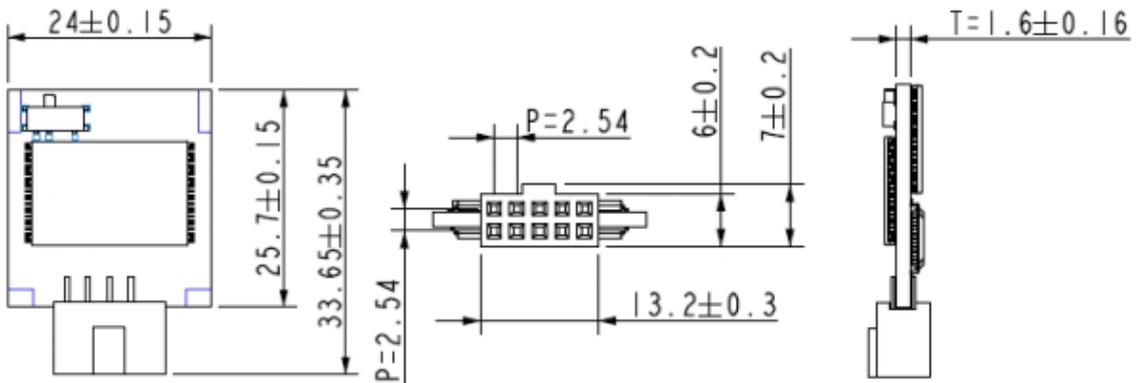
- Built-in hardware ECC
- Global wear-leveling
- Flash bad-block management
- S.M.A.R.T.
- Connector designed with latch locking

## Specifications

|  |  |
|--|--|
| <b>Model</b>                                 | UDMII Plus LP 180D (Type D) (H)  |
| <b>Interface</b>                             | USB 2.0  |
| <b>Connector</b>                             | 10 pin USB (2x5) female header in 2.54mm   |
| <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 34   |
| <b>Sustained Write Performance (MB/sec)</b>  | Up to 22   |
| <b>ECC Engine</b>                            | Built-in 24-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>                                 | Half sine wave 50G, 6 axes, 18 times<br>(IEC 68-2-27, non-operating)                   |
| <b>Vibration</b>                             | Sine wave 10 Hz to 500 Hz, 50 m/s <sup>2</sup> , 3 axes<br>(IEC 68-2-6, non-operating) |
| <b>Operating Voltage</b>                     | 5 V ± 5%   |
| <b>Power Consumption</b>                     | Active mode: 181 mA & Idle mode: 68 mA   |
| <b>Dimension (L x W x H )</b>                | Without Housing: 33.65 x 24.00 x 7.00 (mm)<br>With Housing: 35.70 x 28.10 x 7.20 (mm)  |
| <b>MTBF (hours)</b>                          | >2,000,000   |

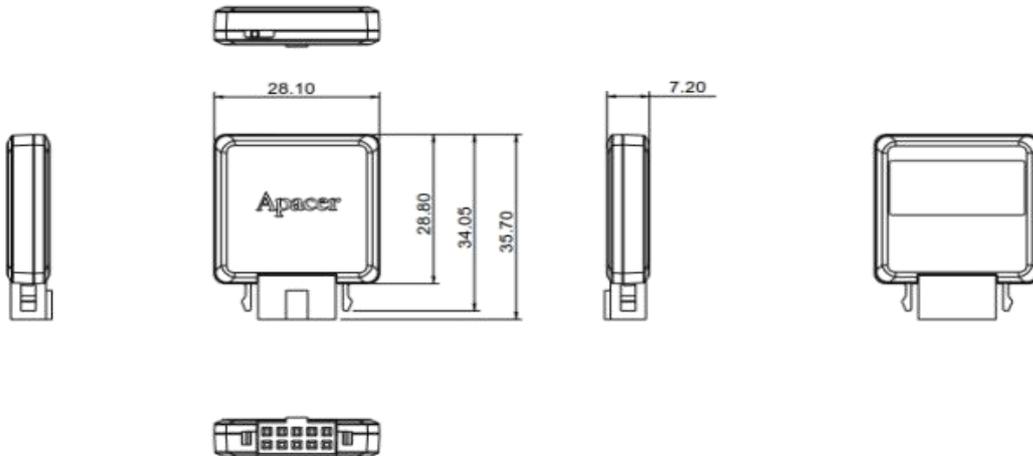
## Mechanical Specification

### Without Housing



Note: Write Protect switch is optional.

### With Housing



Note: Write Protect switch is optional.

For more information,  
contact your Apacer representative

Unit: mm

### Global Presence

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