

# Apacer

The Most **Reliable**  
Storage For Industries



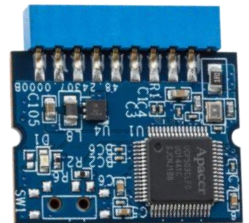
UDM 1U



## UDM 1U

### Overview

UDM 1U is small form factor that electrically complies with High-speed USB 3.0 interface. Tailored for the 1U server, the new series boasts upgraded speeds and a doubling of capacity. The minimum height is only 22.4mm, enhancing the air ventilation inside the 1U chassis. 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.



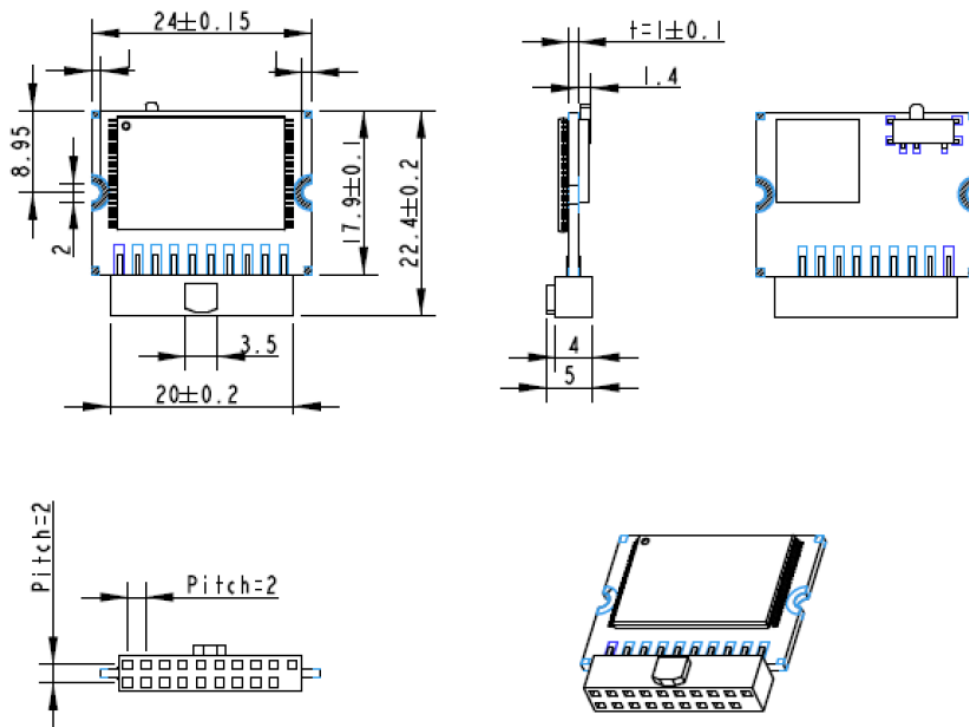
### Feature

- Compliant with the standard USB
- 20-pin Connector, Pin-Pitch B
- High-speed transmission
- Built-in S.M.A.R.T. Function

## Specifications

<b>Model</b>	UDM 1U
<b>Interface</b>	USB 3.0
<b>Connector</b>	20-pin (2x10) female header
<b>NAND Flash Type</b>	SLC
<b>Capacity</b>	128MB~16GB
<b>External DRAM</b>	No
<b>Sustained Read Performance (MB/sec)</b>	Up to 40
<b>Sustained Write Performance (MB/sec)</b>	Up to 35
<b>ECC Engine</b>	Built-in up to 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>Shock</b>	Half sine wave 50G, 6 axes, 18 times (IEC 68-2-27, non-operating)
<b>Vibration</b>	Sine wave 10 Hz to 500 Hz, 50 m/s <sup>2</sup> , 3 axes (IEC 68-2-6, non-operating)
<b>Operating Voltage</b>	3.3 V ± 5%
<b>Power Consumption</b>	Active mode: 150 mA & Idle mode: 70mA
<b>Dimension (L x W x H )</b>	24 x 22.4 x 5 (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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