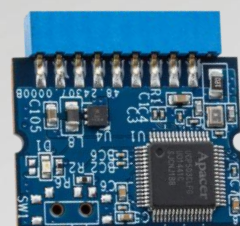


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The Most **Reliable**
Storage For Industries



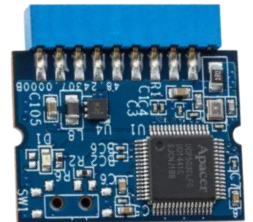
UDM 1U-M



UDM 1U-M

Overview

UDM 1U-M 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.



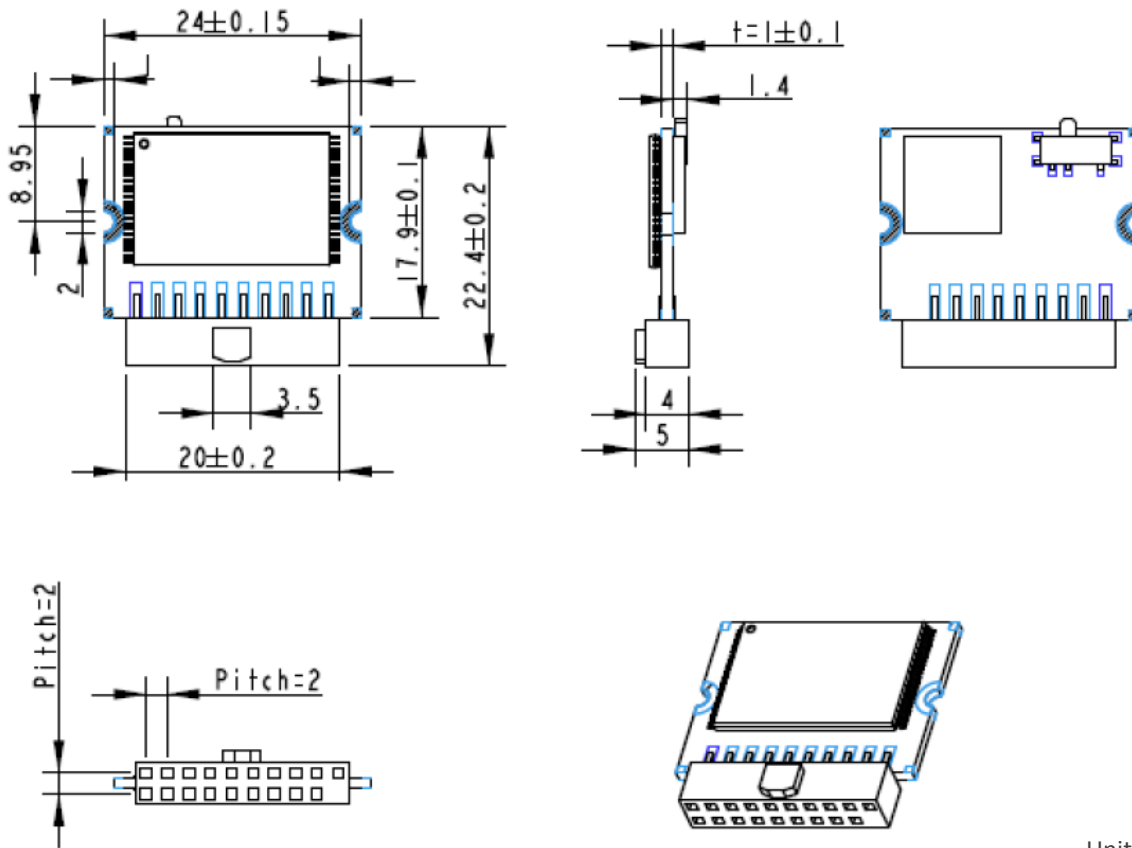
Feature

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

Specifications

Model	UDM 1U-M
Interface	USB 3.0
Connector	20-pin (2x10) female header
NAND Flash Type	MLC
Capacity	8GB~32GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 90
Sustained Write Performance (MB/sec)	Up to 48
ECC Engine	Built-in up to 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: 50G, 11ms Non-operation: 1500G, 0.5ms
Vibration	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 15G, 10 ~ 2000 Hz/sine
Operating Voltage	3.3 V ± 5%
Power Consumption	Active mode: 190 mA & Idle mode: 75mA
Dimension (L x W x H)	20 x 22.4 x 1 (mm)
MTBF (hours)	>1,000,000

Mechanical Specification



Unit: mm

For more information, contact your Apacer representative

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