

The Cactus Technologies M.2 USB Disk-On-Modules (UDOM) are low capacity solid-state flash

memory products that comply with USB 3.1 standard. The UDOMs come in M.2 2242 form factor, socket 2 pinout with B+M keys, and are available in 2GB and 4GB of formatted capacity. They are designed for industry market applications which require an ultra-thin module that is compatible with USB interface.



Performance

Read Data Transfer Rate : 55MB/s

Write Data Transfer Rate : 30MB/s

Reliability

Supports Wear Leveling

Supports ECC

Less Than 1 Error in 10¹⁴ Bits Read

MTBF 4,000,000 Hours

Environmental & Power

Operating Temperature Range

Standard : 0 °C to 70 °C

Industrial : -45°C to +90°C

Power Consumption

3.3V±5%

Read : 115mA

Write : 120mA

Sleep : 35mA

Shock & Vibration

Shock : 3000G

Vibration : 20G

Cactus M.2 USB DOM features

- Industry Standard M.2 2242 Form Factor
- Card Capacities 2GB and 4GB SLC NAND
- Support USB 3.1/3.0/2.0
- 3.3V Operation
- Unique Electronic Serial ID
- Solid State Design Without Moving Part
- Industry Leading:
 - Data Reliability
 - Shock & Vibration
 - Operating Temp Range
 - Data Transfer Rates
- Zero dB Noise
- 4 Million Hours MTBF
- 5-year Warranty

Industrial Grade M.2 USB Disk-On-Module

Interface	Industry Standard USB 3.1/3.0/2.0
Interface Transfer Rate	5Gbps
Power Requirement	DC Input Voltage 3.3V ± 10%
	Sleep 35mA
	Read 115mA
	Write 120mA
Environmental Specification	Standard Temperature 0°C to +70°C
	Extended Temperature -45°C to +90°C
	Humidity 8-95%, non-condensing
	Acoustic Noise 0 dB
	Vibration 20G peak to peak max.
	Shock 3000G max.
	Altitude 100,000 feet max.
Reliability and Maintenance	TBW 2GB: 120TB, 4GB: 240TB
	MTBF 4,000,000 Hours
	Data Reliability less than 1 Error in 10 ¹⁴ bits read
Card Capacity	2GB - 4GB



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