

RU350 | USB 3.2 | USB Flash Drive

SMART's RU350 USB Flash drives provide low power, high capacity mass storage for embedded applications. RU350 USB Flash drives use an injection molding process to fit the smallest form factor requirements. They also provide enhanced reliability by incorporating onboard error detection and correction, and static and dynamic wear-leveling algorithms that provide reliable operation over a product's life.

RU350 USB Flash drives are offered with Triple-Level Cell (TLC) 3D NAND Flash in capacities of 16GB to 64GB. The USB Flash drives comply with the Super Speed USB 3.2 Gen 1 interface and are backwards compatible with USB 2.0.



Features & Benefits

- Compliant with Super Speed USB 3.2 Gen 1
- C-Temp & I-Temp Supported
- LDPC Error Correcting Code
- Low Power Dissipation
- Small Form Factor

Applications

- Gaming
- IIoT
- Industrial
- Transportation

Product Family Overview

Form Factor	Capacity	Sequential Performance
USB 3.2	16GB to 64GB	Up to 270MB/s Read Up to 65MB/s Write

Specifications

	RU350 USB 3.2 USB Flash Drive	
NAND Type	TLC	
Performance		
Host Interface Rate (maximum)	USB 3.2 Gen 1 (5Gb/s)	
Capacities	16GB to 64GB	
Sequential Read (maximum)	270MB/s	
Sequential Write (maximum)	65MB/s	
Reliability		
MTBF	>4,000,000 hours	
Endurance (Sequential Workload)	64GB: 150 TBW 32GB: 75 TBW 16GB: 75 TBW	
ECC	LDPC	
Power		
Input Voltage	VCC: 5V± 5%	
Environmental		
Shock	70 in/sec, 3 shocks along each axis, X, Y, Z, in each direction	
Vibration	0.9 g rms, 10-500 Hz, 30 minutes per side	
Operating Temperature	Commercial: 0°C to +70°C	
Storage Temperature	Commercial: -25°C to +85°C	
Humidity	40°C, Operation: 90% RH, Storage: 93% RH	
Physical		
Length	54.55 mm	
Width	17.6 mm	
Height	8.3 mm	



For more information, please visit: www.smartm.com

**Product images are for promotional purposes only. Labels may not be representative of the actual product.*

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