



## DuraFlash™

# RU350 | USB 3.0 | USB Flash Drive

SMART's DuraFlash 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 256GB. The USB Flash drives comply with the Super Speed USB 3.0 interface and are backwards compatible with USB 2.0.



### Features & Benefits

- Compliant with Super Speed USB 3.0
- I-Temp (-40°C to +85°C)
- LDPC Error Correcting Code
- Low Power Dissipation
- Small Form Factor

### Applications

- Gaming
- IIoT
- Industrial
- Transportation

### Product Family Overview

Capacity	Sequential Performance
<b>RU350   USB 3.0   USB Flash Drive</b>	
16GB to 256GB	Up to 270MB/s Read; Up to 65MB/s Write

# Specifications

RU350   USB 3.0   USB Flash Drive	
NAND Type	TLC
<b>Performance</b>	
Host Interface Rate (maximum)	USB 3.0 (5Gb/s)
Capacities	16GB to 256GB
Sequential Read (maximum)	270MB/s
Sequential Write (maximum)	65MB/s
<b>Reliability</b>	
MTBF	>1,000,000 hours
Endurance (Sequential Workload)	256GB: 600 TBW
	128GB: 300 TBW
	64GB: 150 TBW
	32GB: 75 TBW
	16GB: 75 TBW
ECC	LDPC
<b>Power</b>	
Input Voltage	VCC: 5V± 5%
<b>Environmental</b>	
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	Industrial: -40°C to +85°C
Storage Temperature	-40°C to +85°C
Humidity	40°C, Operation: 90% RH, Storage: 93% RH
<b>Physical</b>	
Length	54.55 mm
Width	17.6 mm
Height	8.3 mm



For more information, please visit: [www.smartm.com](http://www.smartm.com)

#### Headquarters/North America:

T: (+1) 800-956-7627 • T: (+1) 510-623-1231  
F: (+1) 510-623-1434 • E: [info@smartm.com](mailto:info@smartm.com)

#### Latin America:

T: (+55) 11 4417-7200 • E: [sales.br@smartm.com](mailto:sales.br@smartm.com)

#### Asia/Pacific:

T: (+65) 6678-7670 • E: [sales.asia@smartm.com](mailto:sales.asia@smartm.com)

#### EMEA:

T: (+44) 0 7826-064-745 • E: [sales.euro@smartm.com](mailto:sales.euro@smartm.com)

#### Customer Service:

T: (+1) 510-623-1231 • E: [customers@smartm.com](mailto:customers@smartm.com)