



# 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
<b>Performance</b>	
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
<b>Reliability</b>	
MTBF	>4,000,000 hours
Endurance (Sequential Workload)	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	Commercial: 0°C to +70°C Industrial: -40°C to +85°C
Storage Temperature	Commercial: -25°C to +85°C Industrial: -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

## Ordering Information

Part Number	Density
<b>RU350   USB 3.2   USB Flash Drive Commercial Operating Temperature (0°C to +70°C)</b>	
SVJ33CGRSOE01	64GB
SVJ33BGRSOE01	32GB
SVJ33AGRSOE01	16GB
<b>RU350   USB 3.2   USB Flash Drive Industrial Operating Temperature (-40°C to +85°C)</b>	
SVJ33BGRSOE101	32GB



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

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

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