



DuraFlash™

RU350 | Enterprise USB 3.0 Flash Drive

SMART's DuraFlash RU350 Enterprise USB Flash drives provide low power, high capacity mass storage for embedded applications. RU350 Enterprise 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 Enterprise 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
- C-Temp (0°C to +70°C) and 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
RU350 Enterprise USB Flash Drive		
USB 3.0	16GB to 256GB	Up to 240MB/s Read; Up to 90MB/s Write

Specifications

RU350 Enterprise USB Flash Drive	
NAND Type	TLC
Performance	
Host Interface Rate (maximum)	USB 3.0 (5Gb/s)
Capacities	16GB to 256GB
Sequential Read (maximum)	240MB/s
Sequential Write (maximum)	90MB/s
Reliability	
MTBF	>1,000,000 hours
Endurance (Sequential Workload)	256GB: 720 TBW
	128GB: 360 TBW
	64GB: 180 TBW
	32GB: 90 TBW
	16GB: 45 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
	Industrial: -40°C to +85°C
Storage Temperature	-40°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

Ordering Information

Part Number	Density
RU350 USB 3.0	
Commercial Operating Temperature (0°C to +70°C)	
SVJ33EGRSJ3C02	256GB
SVJ33DGRSJ3C02	128GB
SVJ33CGRSJ3C02	64GB
SVJ33BGRSJ3C02	32GB
SVJ33AGRSJ3C02	16GB
RU350 USB 3.0	
Industrial Operating Temperature (-40°C to +85°C)	
SVJ33DGRSJ3I01	128GB
SVJ33CGRSJ3I01	64GB
SVJ33BGRSJ3I01	32GB



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