



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 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 |
| Physical | |
| Length | 54.55 mm |
| Width | 17.6 mm |
| Height | 8.3 mm |

Ordering Information

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



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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