# durabit<sup>™</sup> "the better MLC"



# swissbit®

**Product Fact Sheet** 

USB Flash Drive and Hardware Security Module

PU-50n iShield HSM Series USB 3.1 SuperSpeed, MLC

Extended Temperature Grade

Date: August 12, 2022 Revision: 1.00







### **Product Summary**

Capacities: 8 GBytes

Form Factor: USB3.1 solid state flash drive with USB Type-A connector (24.0 mm x 12.1 mm x 4.5 mm)

Compliance: USB 3.1 Gen 1 SuperSpeed specification compatible (backward compliance with USB 2.0/1.1)

Operating Temperature Range¹:

o Extended: -25 °C to 85 °C

Performance:

o Read Performance: Sequential Read up to 100 MBytes/s, Random Read IOPS up to 2'500

Write Performance: Sequential Write up to 25 MBytes/s, Random Write IOPS up to 600

• Operating Voltage: 5.0 V ± 10%

• Data Retention: 10 Years @ Life Begin; 1 Year @ Life End

#### **Product Features**

Retrofit Hardware Security Module using standard USB interface

Secure & tamper-proof key storage for IoT applications

Supports PKCS#11 / PKCS#15 (IsoApplet pre-loaded)

Compatible with OpenSC

o Qualified for AWS IoT Greengrass

High quality, industrial grade USB memory stick

Compact & robust metal housing

MLC NAND with durabit-feature for best-in-class endurance

Secure Element embedded in hardware (COB)

o CC EAL 6+

o RSA up to 2048 bit

o ECC up to 384 bit

## **Ordering Information**

Product Type	Product Series	Capacity	Part Number
USB nano	PU-5on iShield HSM	8 GBytes	SFU3008GC2PE2T0-E-GE-912-HS0

#### Why Swissbit?

Swissbit is focused on the design, development, manufacture, and support of leading edge memory and storage solutions for the worldwide OEM/ODM marketplace. As a global supplier, Swissbit recognizes and addresses the higher level of application requirements of today's industrial, Netcom, and automotive customers by providing best-in-class products and services, with uncompromised attention to driving overall value and quality.

TLP: Swissbit public

<sup>&</sup>lt;sup>1</sup> Adequate airflow is required to ensure the temperature, as reported in the S.M.A.R.T. data, does not exceed the specified maximum operating temperature.