


Made in Germany

Create trust in your embedded system

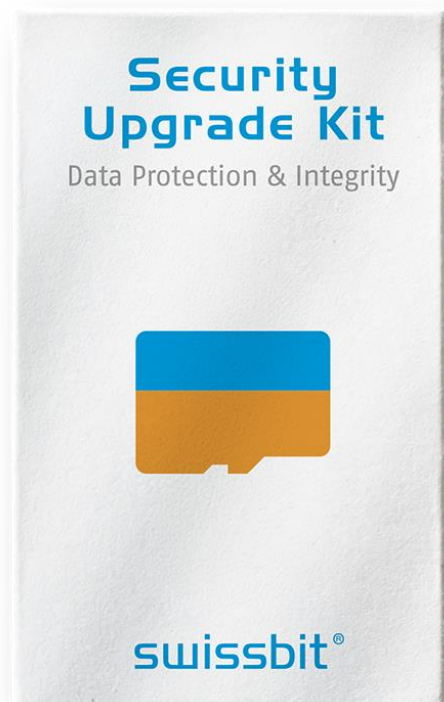


swissbit
Security Level 2

64 GB microSD V30
XC I
© U3 A1

Enhance data protection and ensure secure access, perfectly suited for retrofit solutions

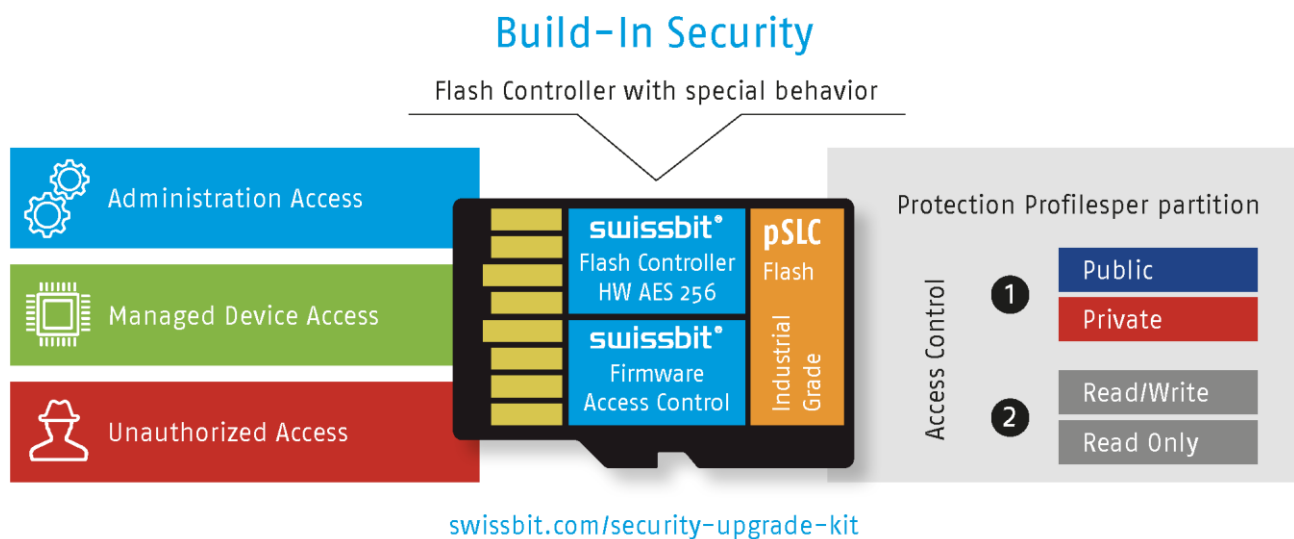
Embedded systems, IoT and OT applications are increasingly the target of unauthorized digital and physical access. With the Security Upgrade Kit, we want to significantly improve data security and individual access control for companies. In addition to compliance with relevant cyber security requirements, the user-friendly Security Upgrade Kit offers an industry-grade Security Level 2 microSD card at its core. The kit also includes hardware-based access control, real-time data encryption and the customization of protection profiles. As a retrofit solution, the Security Upgrade Kit offers maximum flexibility.



Swissbit Security Upgrade Kit

The Security Upgrade Kit goes far beyond the capabilities of a normal microSD card. With a special flash controller and extended Swissbit firmware, the card offers security functions such as configurable access controls and data protection at partition level. This makes the card ideal for applications with frequent read access and long data retention. The kit supports Linux-based embedded systems as well as

other operating systems and enables versatile protection of company-relevant data via real-time encryption (AES 256). Areas of application include the copy protection of sensitive data or the protection of system integrity through secure boot. This makes the Security Upgrade Kit an effective and cost-conscious security solution.



Target groups

- Companies and Industry
- Public authorities
- Public sector
- Critical infrastructures

Features

- For Linux-based embedded systems, IoT and OT applications and other operating systems
- Reference implementation for the Raspberry Pi as well as customer-specific implementations
- Supports special security requirements of embedded systems as well as relevant cyber security regulations and industry standards
- Real-time data encryption with AES 256
- Data protection at partition level
- microSD card to Security Level 2 standard with storage capacities of 16, 32 and 64 GB
- Industrial quality (pSLC) for high endurance, long service life, temperatures from -40 to 85 °C
- Simple, secure and cost-conscious retrofit solution on a microSD basis