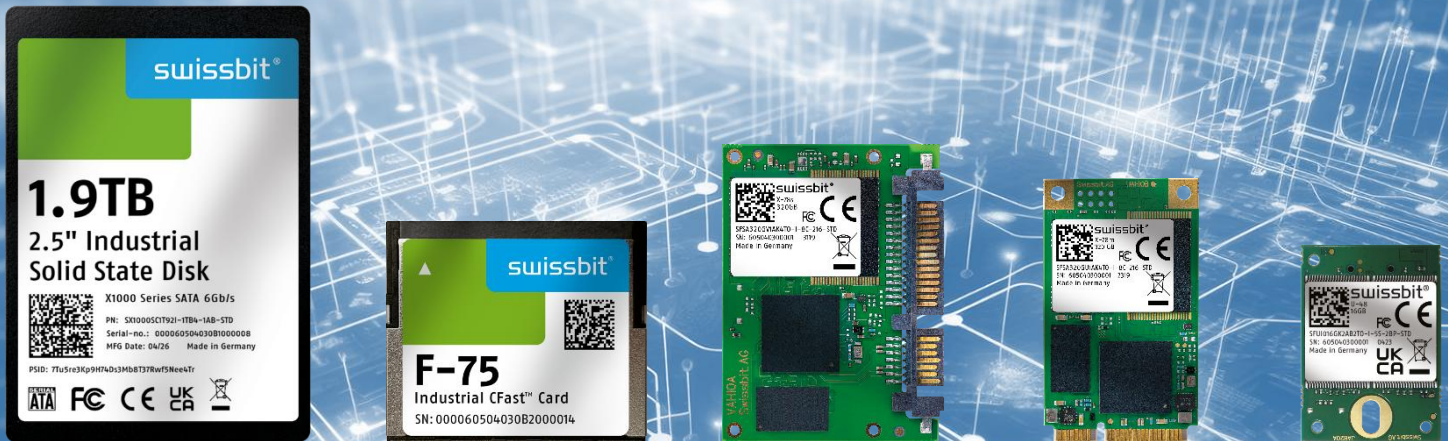


# Seamless Transition. Superior Performance. Swissbit BiCS5 Portfolio



Next-generation industrial storage enabling easy migration, optimized cost-efficiency, and long-term reliability across diverse applications

## Key Benefits

- **Seamless Migration:** Drop-in replacement for SLC, MLC, and BiCS3 with minimal requalification effort
- **Long-Term Availability:** Reliable BiCS5 platform for extended industrial lifecycles
- **Cost-Efficient Low Densities:** 1-channel designs enable optimized pricing for smaller capacities
- **Broad Portfolio Coverage:** Full range of interfaces, form factors, and capacities
- **High Endurance Flexibility:** pSLC mode delivers durability for write-intensive applications

Swissbit is expanding its industrial storage portfolio with a new generation of flash solutions built on advanced BiCS5 NAND technology. These solutions are purpose-designed to enable a seamless transition from existing SLC, MLC, and BiCS3-based products, helping customers modernize their systems without complex redesign efforts. At the same time, they address growing industrial requirements for higher performance, improved energy efficiency, and optimized cost structures.

Supporting a wide range of industry-standard interfaces – including SATA, CFast, CompactFlash, and USB – Swissbit offers maximum flexibility for embedded and industrial applications. Features such as pSLC mode and efficient single-channel architectures allow customers to balance endurance, performance, and cost according to application needs. In addition, the new generation is designed for easy migration, ensuring compatibility with existing designs while simplifying validation and reducing time-to-market.

## Key Applications

- Industrial PCs & HMIs
- Edge gateways & IoT devices
- Railway & transportation control systems
- Medical diagnostic equipment
- Networking infrastructure
- POS systems & digital signage
- Data logging in harsh environments
- Embedded boot and system drives

The portfolio spans multiple product families, including CFast, USB solutions, CompactFlash, and SATA SSD series.

This comprehensive offering covers a broad range of form factors, including 2.5" SATA SSDs, mSATA SSDs, SlimSATA SSDs, SATA M.2 SSDs, CFast cards, eUSB 3.1 modules, USB drives, and CompactFlash cards, enabling customers to standardize on a single supplier across diverse system designs and interface requirements.

A key advantage of this new generation is seamless migration from legacy products – even at smaller storage densities – while maintaining long-term availability for industrial designs with extended lifecycle requirements.

The optional pSLC mode significantly enhances endurance, making these solutions ideal for write-intensive applications that demand long-term reliability. At the same time, the broad, scalable portfolio supports varying performance and capacity needs, allowing designers to optimize systems across multiple use cases.

By reducing validation effort during product transitions, Swissbit minimizes design risk and helps accelerate development cycles. Combined with Swissbit's proven expertise in industrial-grade firmware and high-quality manufacturing, this BiCS5-based portfolio provides a future-proof, reliable storage platform for demanding industrial environments.

These solutions are well suited for a wide range of target verticals, including industrial automation and robotics, transportation and railway systems, and medical devices, where reliability and longevity are critical. They also align with the requirements of networking and communication infrastructure, as well as embedded systems such as HMIs and industrial PCs. Further applications include defense and aerospace, retail and POS systems, and growing areas such as IoT and edge computing, where scalable, durable, and cost-efficient storage solutions are essential.



## Swissbit BiCS5 Product Series

### CFast

- F-75 and F-78

### USB

- U-58 and U-58k

### CompactFlash

- C-58

### SATA SSD

- X-73, X-75 and X-78
- X-75m and X-78m
- X-75m2 and X-78m2 in M.2 2242 and 2280
- X-75 P and X-75m2 2280 P



## About Swissbit

Swissbit AG is the leading European technology company for data storage and security solutions. Our vision is to build a connected world where data and identities are trusted, ensuring digital sovereignty. Founded in 2001, Swissbit operates offices in Switzerland (HQ), Germany, the USA, Japan, and Taiwan, and maintains its own semiconductor production facility in Berlin, Germany.