

PRESS RELEASE

Swissbit at embedded world 2022: Latest innovations and exclusive previews



Hall 1 | Booth 1-534

3D TLC memory portfolio continues to expand, sneak preview of new security solution

Bronschhofen, Switzerland. May 10, 2022 – embedded world 2022 will be taking place for the first time as a summer event from June 21 to 23 in Nuremberg, Germany. Swissbit will welcome visitors to its booth 1-534 in Hall 1 and is using the trade show as the perfect opportunity to showcase a number of innovations. These include the N-30 series, which will expand the company's portfolio of 3D TLC storage solutions in the future by serving as a high-performance PCIe SSD for industrial applications. In addition, Swissbit will be presenting its latest array of security solutions, including the iShield FIDO2 hardware security key. As a show exclusive, Swissbit will also be revealing the first details of a further new development from its Embedded IoT Solutions division: a unique solution set for securing data exchanges between IoT devices.

The core requirements for industrial storage media are maximum reliability and durability. With its 3D TLC portfolio, Swissbit demonstrates that these stringent requirements can be met with cost-effective solutions without compromises. The company's memory solutions, which are equipped with powerful controllers and precisely tuned firmware, meet all the requirements of industrial users, including long-term availability. At embedded world, Swissbit will showcase the latest additions to its 3D TLC portfolio, which provide the necessary interfaces and form factors for all application areas:

- **Premiere: PCIe-SSD N-30m2.** Swissbit's high-performance SSD series N-30m2 will premiere in Nuremberg: the range will be available as a compact PCIe module with capacities up to four terabytes and based on its performance data, is highly recommended for the most demanding industrial applications. In line with that, the series will also be available with Swissbit's newly launched extended PLP protection feature, "powersafe". Swissbit will reveal more details at the start of the trade show.
- **CFexpress card series G-20:** perfect for the theme of embedded world, Swissbit's G-20 series will also be on show. CFexpress combines the advantages of a removable storage medium with the performance of PCIe-SSDs and is considered to be the pioneering form factor for industrial memory cards.
- **SD card series S-55:** The recently launched SD and microSD memory cards bear the "High Reliability" mark and will be available with capacities ranging from 16 to 512 gigabytes.

- **e.MMC EM-30:** The e.MMC-5.1 standard BGA device is now compatible with an extended temperature range of -40 to +105 °C and therefore also meets the stringent requirements of the most demanding automotive applications.

Embedded IoT Solutions: Swissbit continuously expands its security offering

With no less than two innovations in the area of security, Swissbit is using embedded world as a platform to highlight its activities in its rapidly growing Embedded IoT Solutions business division:

- **Premiere: IoT Secure Connect.** Today, the connection between machines, manufacturing plants and sensors in the IoT is ubiquitous. However, the cost and efficiency benefits are vulnerable to new security threats. Among the recognized weaknesses here is the frequently insufficient protection of the connection between individual IoT devices. This is where "IoT Secure Connect" comes into play. The solution package, which consists of hardware, software (SDK) and services ensures seamless end-to-end encryption of data traffic. At the heart of this is always a pluggable hardware component that gateway or controller manufacturers can use to ensure the most secure data transmission channels, even in existing IoT infrastructures.
- **Security Key iShield FIDO2:** The first Swissbit product without any memory was premiered in March 2022 and will be shown to a large audience for the first time in Nuremberg. The FIDO-standard certified security key with NFC and USB interface enables efficient protection of cross-platform online accounts, applications, and company networks thanks to the strongest hardware authentication. The stick is manufactured in the company's own facility in Berlin, Germany.

Swissbit @ embedded world Conference: Martin Schreiber, Product Marketing Manager, will present "Flash Memory Specifications in the Context of Workload and Test Method" as part of the show's conference program. The presentation will take place on Tuesday, June 21 at 12:00 p.m., and is part of Session 10.4 - System-on-Chip (SoC) Design, Memory Technology.

Available images

The following images are available for download in printable format at:

<https://kk.htcm.de/press-releases/swissbit/>

 <p>Image Source: Swissbit</p> <p>Premiere at embedded world: The High Performance PCIe-SSD N-30m2 with up to 4 TB storage capacity.</p>	 <p>Image Source: Swissbit</p> <p>Making its debut on the big stage: the iShield FIDO2 hardware security key.</p>
--	--

About Swissbit

Swissbit AG is the leading European manufacturer of storage, security and embedded IoT solutions for demanding applications. Swissbit combines its unique competences in storage and embedded IoT technology with its advanced packaging know how. This expertise allows our customers to reliably store and protect data in industrial, NetCom, automotive, medical and fiscal applications as well as across the Internet of Things (IoT).

Swissbit develops and manufactures industrial-grade storage and security products “Made in Germany” with high reliability, long-term availability, and custom optimization.

Swissbit's storage range includes SSDs with PCIe and SATA interface such as mSATA, Slim SATA, CFAST™, M.2 and 2.5” as well as CompactFlash, USB flash drives, SD Memory Cards, micro SD Memory Cards and managed NAND BGAs like eMMC. Security products are available in various application specific editions as USB flash drives, SD Memory Cards, and micro SD Memory Cards.

Swissbit was founded in 2001 and has offices in Switzerland, Germany, USA, Japan and Taiwan. Swissbit owns the registered trademarks Swissbit® and Hyperstone®. Since 2020, the independent investment firm Ardian is holding a majority stake in the company to support its growth.

For further information, please visit www.swissbit.com

Regional Headquarters:

Swissbit Germany AG
Bitterfelder Strasse 22
12681 Berlin
Germany

Tel: +49 30 936 954 0
Email: info@swissbit.com

www.swissbit.com

Headquarters:

Swissbit AG
Industriestrasse 4
9552 Bronschhofen
Switzerland

Tel: +41 71 913 03 03
Email: info@swissbit.com

www.swissbit.com

Contact:

Swissbit AG
Marian Weber
Industriestrasse 4
9552 Bronschhofen
Switzerland

Tel: +49 172 854 88 26
Email: marian.weber@swissbit.com
www.swissbit.com

Press Agency:

HighTech communications GmbH
Brigitte Basilio
Brunhamstrasse 21
81249 Munich
Germany

Tel: +49 89 500778-20
Fax: +49 89 500778-77
Email: b.basilio@htcm.de
www.htcm.de