

Information Release



Product Announcement – INDUSTRIAL C-320 32GB Type 1 CompactFlash® Card

Swissbit AG – 15 May 2010

Bronschhofen, Switzerland – Swissbit's already popular family of INDUSTRIAL Type 1 CompactFlash® (CF) cards has just added a new member. The C-320 offers the highest density and performance of all Swissbit CF storage cards. A capacity of 32GB and data



transfer rates of 35MB/s for sustained write and 45MB/s for sustained read makes the C-320 perfect to satisfy the most demanding non-volatile, high-reliability applications for transportation, aerospace, military, telecommunications, medical, mobile computing, and factory automation requirements. Like all Swissbit INDUSTRIAL Flash products, the C-320 CF card series use Single-Level Cell (SLC) Flash technology which provides a minimum of ten times (10x) the program / erase endurance over Multi-Level Cell (MLC) Flash components.

Intelligent wear-leveling ensures that all dynamic and static data is balanced evenly across the entire Flash memory card. This approach to wear-leveling will guarantee that maximum write endurance is achieved for every Swissbit C-320 CompactFlash® Flash card. Full S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) support is also built into all C-320 CF cards. Using this technology the card can report its detailed lifetime status, which allows users to predict imminent system stops to avoid costly downtime.



Swissbit AG
CH-9552 Bronschhofen
Industriestrasse 4

Switzerland

marketing@swissbitna.com
www.swissbit.com

Information Release



Various lifetime relevant statistics are available for analysis, such as the usable Flash spare blocks and remaining guaranteed Flash write life. The lifetime statistics information is collected online while operating, and the S.M.A.R.T. status will change to warn when critical values are reached. Swissbit has also developed an easy to use Windows (Win2000, XP, Vista, & Windows 7) or Linux application to interpret the lifetime statistical data. The applications also allow users to collect data in the background and display historical charts of all relevant values. This allows for detailed control over the lifetime statistics and aids in early failure prediction. It is also possible for the customer to seamlessly integrate the lifetime monitoring in a custom application. Swissbit has available Windows and Linux software libraries along with an easy to use application programming interface (API).

Data integrity is assured by use of a patented power-loss management system to prevent data corruption during an unexpected loss of power. Support is provided for UDMA4, MDMA4, and PIO6 communication modes and can be used in True IDE and PCMCIA applications. Swissbit CompactFlash® Cards come standard with a commercial operating temperature range of 0°C to +70°C T_{Ambient}. An industrial temperature version that can operate at -40°C to +85°C T_{Ambient} is also available allowing for further design flexibility in harsh environments. In addition, the Swissbit Engineering Team can customize the C-320 as it can with all Flash products to meet non-standard customer requirements that cannot use an "off-the-shelf" solution. Customization options can include project specific labeling, data preload, ID string changes, modified capacities, and/or firmware changes. All Swissbit Flash and DRAM memory products are RoHS and REACH compliant.



Swissbit AG
CH-9552 Bronschhofen
Industriestrasse 4

Switzerland

marketing@swissbitna.com
www.swissbit.com

Information Release



About Swissbit

Swissbit is the largest DRAM memory module and Flash storage device manufacturer in Europe. Created from a management buyout of the Siemens HL Business Unit in 2001, Swissbit boasts over 19 years of combined knowledge and experience in the memory industry. With facilities in Switzerland, Germany, Japan, and the United States, Swissbit is able to support customers on a global scale. Our commitment to high quality, reliability, exceptional customer service, and competitive pricing enables our customers and partners to enjoy a reliable source of supply and product commitment for their past, current, and future memory requirements. Swissbit offers SWISSMEMORY™ INDUSTRIAL DRAM memory modules in all popular technologies including EDO/FPM, SDRAM, DDR, DDR2, and DDR3. In addition, Swissbit produces the SWISSMEMORY™ INDUSTRIAL Flash storage product lines consisting of CompactFlash®, SD, MMC, USB, pATA, sATA, and CFast™ interfaces. Most SWISSMEMORY™ INDUSTRIAL products are available in commercial (0°C to +70°C T_{Ambient}) and industrial (-40°C to +85°C T_{Ambient}) operating temperature grades. Additional company and product information is available on the company's website at www.swissbit.com.

©2010, Swissbit All rights reserved.

The name "Swissbit" and "SWISSMEMORY" are registered trademarks of Swissbit AG. All other trademarks are the property of the respective owners. These materials are provided by Swissbit, as a service to its customers and may be used for informational purposes only.

All media requests for press releases and digital photographic material in printing quality should be directed to the following contact person.

For further information, please contact:

Lorie Garza
Marketing Coordinator
Swissbit NA Inc
3913 Todd Lane, Suite 307
Austin, TX 78744
512.302.9001 – Voice
512.302.4808 – Fax
lorie.garza@swissbitna.com



Swissbit AG
CH-9552 Bronschhofen
Industriestrasse 4

Switzerland

marketing@swissbitna.com
www.swissbit.com