

Press Release

Highest Reliability on Smallest Space: S-200µ microSD Card from Swissbit



Bronschhofen, Switzerland – July 20, 2011 – Swissbit extends its line of SecureDigital (SD) Cards with the Series S-200µ microSD designed especially for embedded systems and industrial applications. It features high level due to its Lifetime Monitoring functions and Power Loss Protection system, its extended temperature range and long term availability.

The Lifetime Monitoring functions via SPI or SD interface inform users about the current state of health of the card, thus assuring system availability. Data integrity is guaranteed by use of a patented power-loss management system to prevent data corruption during an unexpected loss of power. The modules offer a long lifetime thanks to the use of Single Level Cell (SLC) NAND Flash Components: They allow 100.000 write/erase-cycles and assure data preservation up to ten years. Their performance reaches 25MB/sec.

Swissbit's microSD Cards are designed, manufactured and tested to fulfill the demanding needs of the industrial market: Long term availability of a minimum of four years with a fixed Bill of Material (BOM), as well as exceptional resistance to shock and vibration.

The new S-200µ series is available in densities from 512MB to 2GB. The cards come standard with an extended operating temperature range of -25°C to +85°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.

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About Swissbit (www.swissbit.com):

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 has today facilities in Switzerland, Germany, Japan, and the United States. Swissbit offers industrial DRAM memory modules in all popular technologies and Flash industrial storage product families including CF, SD, USB, PATA and SATA interfaces. All Swissbit products meet highest quality criteria and RoHS and REACH directives. The target markets for the Swissbit products are industrial electronics, automotive, railway technology, wired telecommunications, medical electronics as well as aerospace/defense. Additional company and product information is available at www.swissbit.com.

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