



PRODUCT ANNOUNCEMENT

Datakey Electronics, Inc. now offers an 8Mbit - 5-Volt Memory Key for use in existing systems.



July 27, 2005. Savage, MN - Datakey Electronics, Inc., manufacturer of rugged, re-programmable memory Keys and Tokens has announced a new addition to their high capacity serial flash memory Key product line: a 5-Volt operation, 8Mbit Key (SFK5V 8Mbit).

This Serial Flash Key is specifically designed for existing systems that require 5-Volt operation. It allows current users of Datakey Electronics' lower capacity Microwire and SPI memory Keys to utilize their existing Keyceptacles® and integrate additional features that require large memory capacities such as **in-field firmware update, recipe upload, and/or large data logging** applications.

The large memory size and fast bus speed give microprocessor-controlled systems the capability to easily and reliably move large amounts of data in and out of the system without the need for a network connection. The 8Mbit memory is accessed by a high speed Serial Peripheral Interface (SPI)-compatible bus with up to 8MHz clock rate. This synchronous serial data link is standard across many Motorola microprocessors and other peripheral chips. It provides a high bandwidth connection amongst CPUs and other devices supporting SPI.

The similarities between Microwire and SPI interfaces allow existing systems with Microwire Keyceptacle interfaces to be adapted to interface to this new 8Mbit SPI Flash Memory Key. Datakey Electronics' applications engineers are able to assist embedded systems engineers with this adaptation.

This unique, fully-engineered product carries Datakey Electronics' proven long-term support – the product will be stable, available, and supported throughout the OEM's product lifetime. The SFK5V 8Mbit data carriers feature Datakey Electronics' industry-leading solid

molded construction, rugged wear-resistant exterior and long-lasting contacts. Unlike cards, consumer portable memory (compact flash, USB FOBs, MMC, etc.), and other data carriers that can easily fail, the Key's body protects the embedded memory chip from physical damage and harsh environmental influences. They can be sterilized, dropped in the mud, washed, exposed to electromagnetic fields or chemicals, run over with a semi-truck—and they'll still work.

The SFK5V 8Mbit Key has a complete line of support peripherals including mating Keyceptacles/Receptacles, KeyLink™ II Reader/Writers and Development Kits. Higher capacity options are also under technical review. Additionally, Datakey Electronics offers a complete line of standard (3.3 Volt) serial flash products in capacities up to 32 Mbits in both Token and Key form factors. Contact Datakey Electronics for further information.



Datakey Electronics, Inc., based in Savage, MN, is a fully vertically-integrated minority woman-owned business, designing, molding and assembling all of its products in its own custom-built factory. For more information about Datakey Electronics, Inc. visit: www.datakeyelectronics.com or contact your local sales representative.

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