

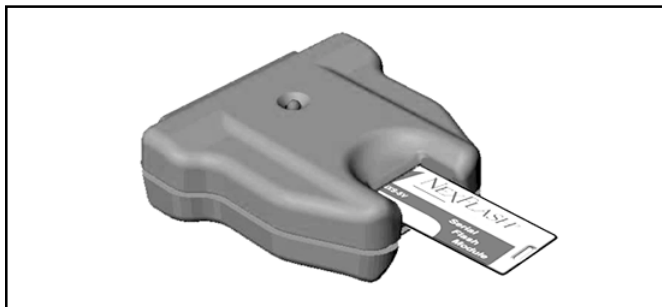
NX-SFK-64M/64MS

SERIAL FLASH DEVELOPMENT KIT FOR NX25F640C (64M) AND NX25M640C (64MS)

PRELIMINARY
JULY 2002

FEATURES

- **PC-based Development for Serial Flash**
 - 64M Supports NX25 / 26F640C Serial Flash Memories with optional Socket Cards
 - 64MS supports NX25 / 26M640C Serial Flash Modules
 - 3V operation, SPI or NXS2 interface
- **Complete Development and Prototype Solution**
 - NX-SFM-PORT Adapter, software and manual
 - Serial Flash Memory or Module and connector samples
- **Socket Cards or TSOP I Package (64M only)**
 - NX-ST-T32-SFM; 32-pin TSOP Socket
 - NX-ST-UNI-SFM; Socket Card
- **Simplifies and Speeds Development**
 - Use “C” source routines as templates
 - Pre-program SFM or TSOP from binary PC files
 - SFM is easily moved between kit and prototype for fast interrogation and modification
- **SPI-SFK Development Software**
 - “C” source code
 - “Makefile” support for popular compilers
 - Working examples of data sheet commands:
Read from Sector, Write to Sector, Write/Verify, Write/Read with ECC
 - Read/Display device information
 - Read device to binary file.
 - Program (write) device from binary file



Port Adapter with SFM Inserted

SFK-64M CONTENTS

- PC Port Adapter: NX-SFM-PORT
- Parallel Port Cable
- Extra batteries (#CR2032)
- SFK-64M Development Software (Executable files, “C” Source code, and “Makefiles”)
- Serial Flash 64M Development Kit Users Manual
- Sample NX25F640C or NX26F640C
- NX-ST-T32-SFM; 32-pin TSOP Socket
- NX-ST-UNI-SFM; Socket Card

SFK-64MS CONTENTS

- PC Port Adapter: NX-SFM-PORT
- Parallel Port Cable
- Extra batteries (#CR2032)
- SFK-64M Development Software (Executable files, “C” Source code, and “Makefiles”)
- Serial Flash 64M Development Kit Users Manual
- Sample NX25M640C or NX26M640C
- NX-ST-CCM03-3504; SFM slide-in connector

SFK SYSTEM REQUIREMENTS

- IBM PC-Compatible Computer (486 or greater)
- Standard PC Parallel Port with DB25 Connector
- MS-DOS (3.0 or greater), Windows 3.x, 95, 98 and ME
- Windows NT and XP systems are not supported. Contact NexFlash for status of NT and XP support

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DESCRIPTION

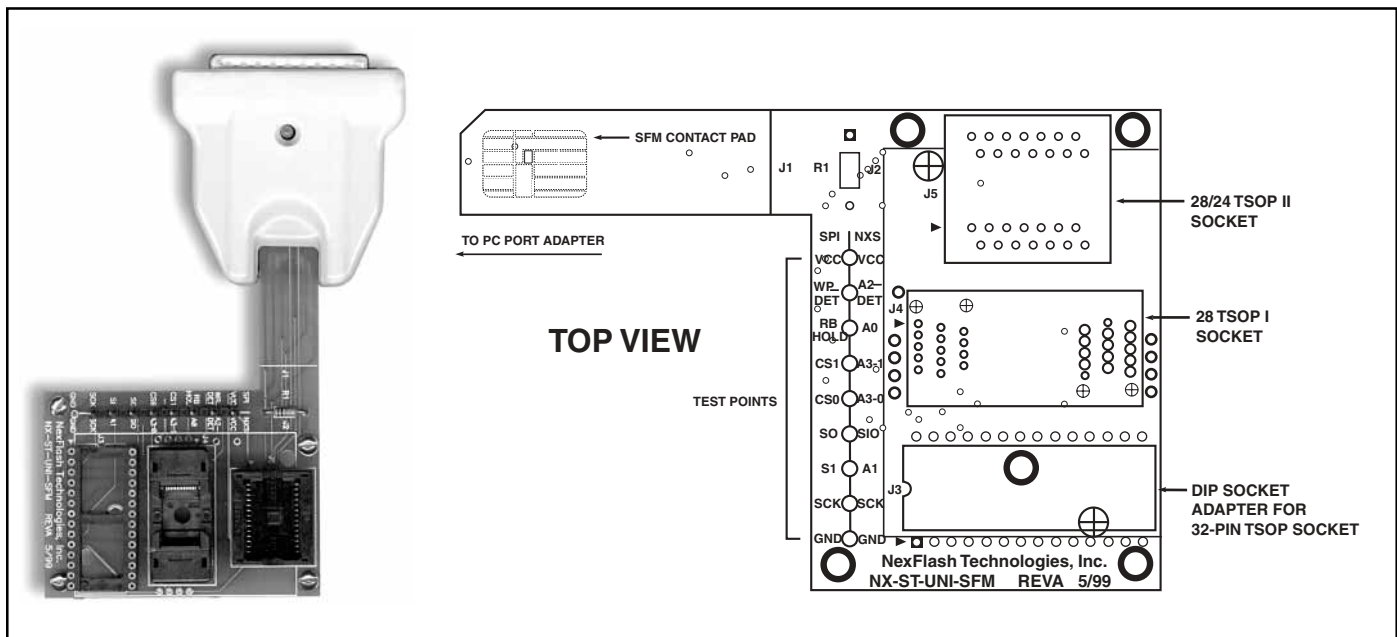
The Serial Flash Development Kit (SFK-64M/SFK-64MS) from NexFlash is a simple and cost effective solution for system designers interested in learning about and designing with NexFlash Serial Flash products. The SFK and associated accessories provide the basic hardware and software needed to develop with and program the NexFlash 25F640C SPI and 26F640 NXS2 Serial Flash Memories and removable Serial Flash Modules (SFM).

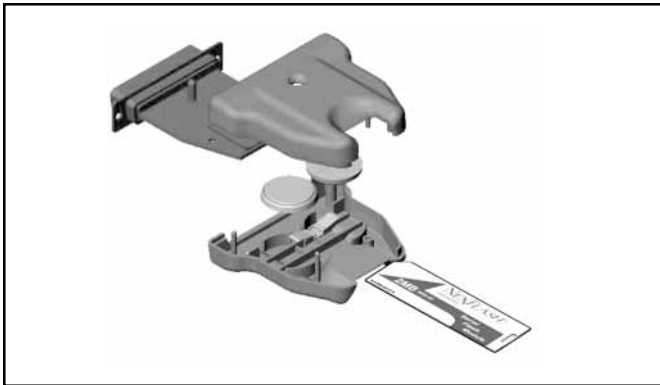
The SFK-64M and 64MS hardware includes a SFM-Port Adapter (that connects to the parallel port of a PC), a parallel port cable, batteries, and sample memory or module. The SFM Port Adapter directly supports 3V SPI Serial Flash Modules. A Socket Card can be inserted into the SFM Port Adapter to support development and programming of alternate packages such as TSOPs. The Socket Card also provides convenient test points for probing signals during development. Using SFMs when prototyping, rather than surface mount packages, can greatly simplify the development process. SFMs can easily be moved between the prototype and the SFK for quick interrogation and modification.

The SFK software includes a well documented set of “C” Source code routines, which serve as examples of the 25F640C and 26F640C data sheet command sequences such as Read from Sector, Write to Sector, and Read Device Information Sector. These examples can be used as templates for user firmware. The software includes “Makefile” support, allowing the routines to be compiled with many popular “C” code compilers from Borland, Microsoft, and GNU-GCC. Pre-compiled executables are also included, enabling immediate access to the Serial Flash using a simple command-line syntax within DOS or from a Windows DOS Shell.

The SFK software also provides several useful utilities. The DIS Parser reads and displays the Device Information Sector. A versatile Programmer allows for reading and writing binary files to and from the Serial Flash using one of several methods with user specified addressing.

SFM Port Adapter with Socket Cards for use with TSOPs and other Packages





Port Adapter Battery Installation (#CR 2032)

ORDERING INFORMATION

Category	Part #	Description
Development Kit	NX-SFK-64M	Serial Flash Dev. Kit for NX25F640C and NX25M640C
Development Kit	NX-SFK-64MS	Serial Flash Dev. Kit for NX25M640C only



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