

FlashPRO: Flash Memory Engineering Programmer



Intel's FlashPRO base and socket module upgrades provide system designers with an efficient and cost-effective prototyping tool for programming and erasing Intel Flash Memories. New devices are supported upon their introduction via software upgrades. Updates are mailed to registered users and posted on Intel's Applications Support BBS. With separately available socket modules, you purchase only what you need. This keeps costs down while providing quick-turn support for future packages and pinouts. This tool is a significant enhancement to its predecessor, the D,FLASHEVAL kits, as it adds support for many new devices, is lower cost and higher performance.

PRODUCT DESCRIPTION

FlashPRO is a PC-driven (parallel port attachment) programmer. It enables system designers to program and erase all Intel DIP Flash Memory components directly. (Block locking support is available on

required products.) Non-DIP packages require that one of the separately available socket modules be used. (Please see ordering information on reverse.)

Three family module boards come with the base tool. These voltage/GND rerouting boards are the integral part of the system that keeps costs down by rerouting voltages and ground for device families via inexpensive circuit boards with SIMM-like connector edges. For example, the 56-Ld TSOP module supports all current devices in that package type: 2/4-Mb Boot Block devices, 16/32-Mb FlashFile™ memories and the 28F016XS and 28F016XD Fast Flash devices—even though their pinouts are drastically different.

The user's manual provides information on supported file formats, system requirements, menu commands, status and settings displays, buffer editor usage, use of the macro file iflash3.ini, troubleshooting tips and technical support contacts.

FlashPRO's iFLASH3 software has a user-friendly graphical interface. On-line help guides users through the extensive tool capabilities without their having to access instruction manuals. Current D,FLASHEVAL users will enjoy the similarity of FlashPRO's easy-to-use software interface, providing a near-zero learning curve. Because of its intuitive menu structure and on-line help, even non-D,FLASHEVAL users will be programming quickly.

PRODUCT HIGHLIGHTS

- Low-cost engineering programming solution
- Cost-effective modular support
 - Buy only what you need
 - Each socket module supports all devices in that package via use of the family module boards
- Intuitive, easy-to-use menus
 - D,FLASHEVAL-like interface
- Socket modules for all packages
 - 56/48/40/32-Ld TSOP
 - 44-Ld PSOP
 - 72-Ld SIMM
 - 56-Ld SSOP
 - 32-Ld PLCC
 - 68-Ld PCMCIA Cards
- iFLASH3 software updates are maintained on Intel's BBS and World Wide Web site

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FEATURES

- Parallel-port attachment
- Family module boards
- iFLASH3 programming software
- Intuitive user interface and on-line help

BENEFITS

- Uses PC's resources—lowers base unit's cost
- Socket modules support all device families in a given package—reduces number of upgrade pieces
- Similar to D.FLASH/VAL iFLASH2 software—near-zero learning curve
- Ease of use—quicker time to programming

SUPPORT TOOLS

The latest version of iFLASH3 software will be maintained on Intel's Applications Support BBS under the Flash/Tools area and on Intel's World Wide Web site.

Other Intel Flash Memory documents include:

- Flash Memory Tools and Software Quick Reference Guide (Lit. Order #297610; FaxBack* #2248)
- Flash FaxBack Catalog (FaxBack #2268)
- Flash Technical Support Summary (FaxBack #2204)
- Small Outline Package Guide (Lit. Order #296514)

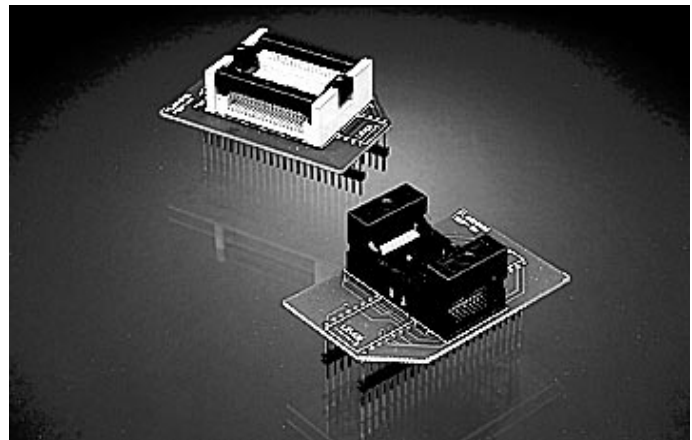
TOOL CONTENTS

Base Tool

- One (1) FlashPRO programmer with 48-pin DIP ZIF Socket
- Three (3) Voltage/GND Rerouting Boards
- One (1) User's Manual
- One (1) Quick Installation Guide
- One (1) 3.5" Floppy Disk with iFLASH3 Software
- One (1) Intel 24-hour Technical Support Pamphlet
- One (1) FlashPRO Product Brief
- One (1) Registration Card

Socket Modules

- One (1) Socket Adapter of type selected



TOOL ORDERING INFORMATION

ORDER CODE	DESCRIPTION
FlashPro	Base Programmer with 48-Ld DIP ZIF socket
FlashProTSOP32	Socket Module for 32-Ld TSOP devices
FlashProTSOP40	Socket Module for 40-Ld TSOP devices
FlashProTSOP48	Socket Module for 48-Ld TSOP devices
FlashProTSOP56	Socket Module for 56-Ld TSOP devices
FlashProPSOP44	Socket Module for 44-Ld PSOP devices
FlashProSSOP56	Socket Module for 56-Ld SSOP devices
FlashProPLCC32	Socket Module for 32-Ld PLCC devices
FlashProSIMM72	Socket Module for 72-Ld SIMMs
FlashProMEMCRD	Socket Module for 68-Ld PCMCIA Cards

INTEL REFERENCE NUMBERS

World Wide Web Home Page	http://www.intel.com
FaxBack* System	(800) 628-2283 or (916) 356-3105
Application Bulletin Board System	(916) 356-3600
Other Intel Support:	
Intel Literature Center	(800) 548-4725 7 a.m. to 7 p.m. CST (U.S. and Canada) International locations please contact your local sales office.
Retail PC and Network Products	(800) 538-3373 or (503) 629-7000 7 a.m. to 7 p.m. PST
General Information Hotline	(800) 628-8686 or (916) 356-3104 5 a.m. to 5 p.m. PST

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