



M8EK900 M8DKPRO, M8DKFL

M8 FLASH+PSD System Development Tools

- Hardware Tools:
 - FLASH+PSD Evaluation Board Kit based on popular MCUs
 - FLASH+PSD FlashLINK JTAG In-System Programming (ISP) Kit
 - FLASH+PSD PSDpro insertion parallel device programmer kit
- Software Tools:
 - Integrated suite of industry standard design tools ported to a Windows environment
 - M8 PSDsoft for the M88 family, supplied on a CD-ROM, sold as part of a kit, with free upgrades available on the web site, after product registration
 - PSDsoft *Express* for the M89 family, may be downloaded from the ST web site (www.st.com/flashpsd) at no charge, after registration.

DESCRIPTION

STMicroelectronics offers a set of user friendly PC-based hardware and software tools for design, development and programming of FLASH+PSD based MCU systems.

These tools can be used with any PC using Microsoft Windows 95, Windows 98 or Windows NT.

HARDWARE TOOLS

The hardware tools are summarized in Table 1 and may be ordered individually or in kits.

Table 1. Product Summary¹

M8EK900-KI ²	FLASH+PSD/80C32 MCU Evaluation and JTAG ISP Kit for M88 or M89 families
M8DKFL-101	FlashLINK JTAG ISP Kit
M8DKPRO	PSDpro Parallel Programmer Kit
M8PSDSOFT	M8PSDsoft CD-ROM (part of a kit)

Note: 1. Please see Table 2 for complete information.

2. Another Evaluation kit, based on the ST9R158 MCU, is currently under development.

Figure 1. M8EK900-KI Kit

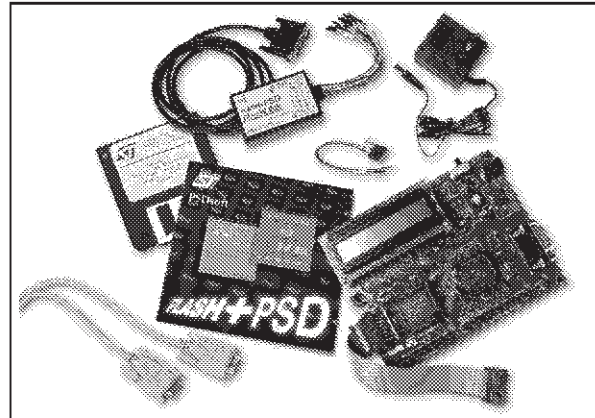


Figure 2. M8DKFL-101 Kit

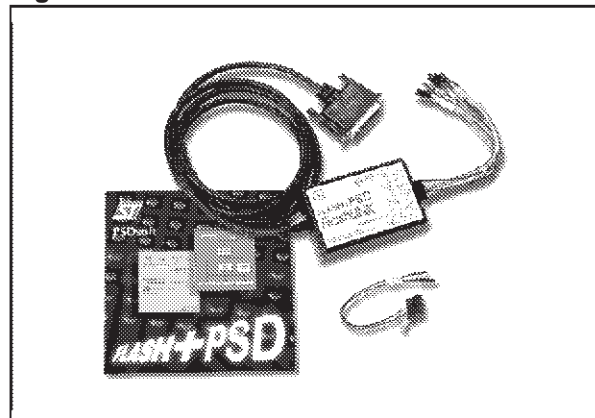
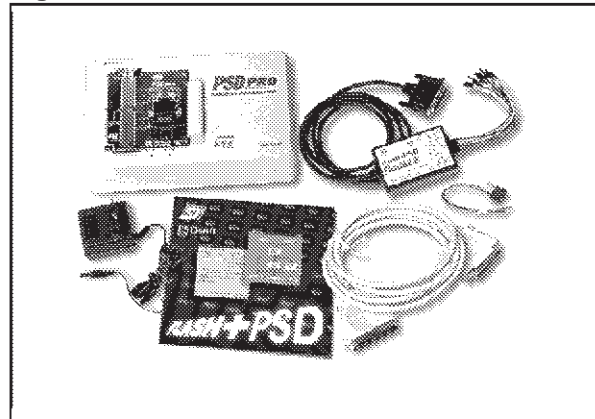


Figure 3. M8DKPRO Kit



SOFTWARE TOOLS

M8 PSDsoft

M8 PSDsoft (for the M88 family) is user-friendly evaluation, development and programming software. It uses a point-and-click graphical user interface that leads the designer, in a logical step-by-step procedure, to configure, design, compile and program the FLASH+PSD. The software has a built-in on-line help feature, and all relevant manuals are included on the CD.

This software takes the user sequentially through the following key steps:

- Logic design entry (CPLD)
- FLASH+PSD Device configuration
- Logic synthesis and fitting
- MCU code mapping
- FLASH+PSD Programming Code, for:
 - FlashLINK JTAG ISP, or
 - PSDpro insertion programmer

PSDsoft Express

PSDsoft *Express* (for the “easy-to-design-in” M89 family) is user-friendly, point-and-click, *menu-driven*, evaluation, development and programming software. It can be downloaded, at no charge, from the ST web site, after registration. Included in the software is a wizard that guides the designer. The system designer does not need to have exhaustive knowledge of PLDs or a PLD design language (such as ABEL). The software steps the designer through seven key steps from configuration of the FLASH+PSD to programming the code and firmware.

ORDERING INFORMATION SCHEME

The notation used for the device number is as shown in Table 2. For a list of available options, or for further information on any aspect of this device, please consult our pages on the world wide web:

www.st.com/flashpsd

or contact your nearest ST Sales Office.

Table 2. Ordering Information Scheme

Part Number	Item Name	Mains Power	FLASH+PSD Package	Description
M8EK900-KI110	FLASH+PSD/80C32 Evaluation and JTAG ISP Kit	110 V	PLCC52	8-bit FLASH+PSD/80C32 MCU Evaluation Board for the M88 and M89 families, FlashLINK JTAG Programmer, JTAG Loop-back cable, UART cable, Power supply, PSDsoft development software for the M88 family, MCU and FLASH+PSD sample
M8EK900-KI220		220 V	PLCC52	
M8DKPRO-K52-110	PSDpro Insertion Programmer Kit	110 V	PLCC52	PSDpro Parallel Programmer, FlashLINK JTAG serial programmer, JTAG Loop-back cable, Parallel Cable, Power Supply, M8 Family Adapter, Device Package Adapter, PSDsoft development software for the M88 family
M8DKPRO-T52-110		110 V	PQFP52	
M8DKPRO-K52-220		220 V	PLCC52	
M8DKPRO-T52-220		220 V	PQFP52	
M8DKFL-101	FlashLINK JTAG ISP Kit	—	—	JTAG ISP Programmer with PSDsoft development software

Table 3. Revision History

Date	Description of Revision
01-Nov-1999	Document written
21-Jun-2000	M8EK900-KI illustration replaced by the new version Addition of references to, and descriptions of, PSDsoft <i>Express</i>

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