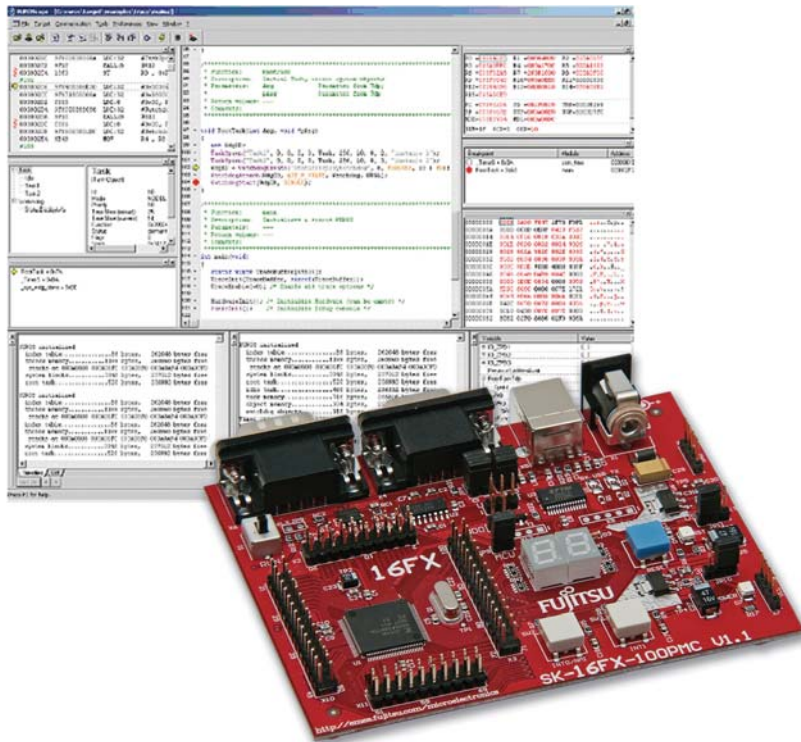


FACTSHEET
SK-16FX-EUROSCOPE

16FX QUICK START KIT – On-chip debugging for Fujitsu 16FX microcontrollers



SK-16FX-EUROSCOPE: On-chip debugger with target board.

Description

SK-16FX-EUROSCOPE is a complete development / debugging kit for Fujitsu's new 16FX MCU family. It contains the Starterkit 'SK-16FX-100PMC' including Fujitsu's Softune Workbench integrated development software as well as 'EUROScope lite 16FX', an exclusive version source-level debugger for Fujitsu's 16FX family.

Together with the available application notes and software examples, this kit provides designers with a low-cost, fast time-to-market!

Kit content

- Integrated Development Environment 'Softune Workbench'
- 'EUROScope lite 16FX' source-level debugger

- Target board 'SK-16FX-100PMC'
- USB- and RS232 cable
- Software examples, application notes, manuals

Part Number for ordering: SK-16FX-EUROSCOPE

16FX On-chip debugging

The 16FX family supports on-chip debugging without the need for boxes and adaptors as might be required for ordinary JTAG-based systems. The Microcontroller can be connected directly to the Host-PC via a serial RS232 or USB interface (with a converter IC). Since an on-chip hardware module and the firmware (boot ROM) of the MCU completely implement the debug functionality, loading of kernels or linking of a library is not necessary.

EUROScope lite 16FX

Fujitsu and EUROS teamed-up to provide a special 'lite' version of EUROScope that contains all the standard functions of an 'everyday' debugger that a developer would normally require.

The sophisticated user interface helps keep track of every important piece of information: Windows can be docked to the edge of the main window without obscuring important data. The multi-threading makes the user interface highly responsive and extremely easy to work with.

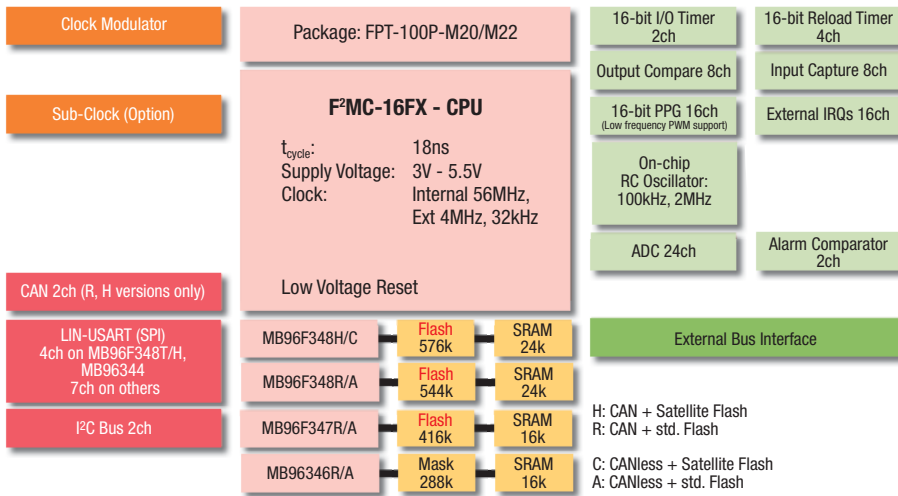
A full version of EUROScope, available from EUROS, offers further features such as OS support and visualisation of task- and other OS objects.

The inexpensive Quick Start Kit and an attractive license scheme "buy one, use on multiple PCs" makes EUROScope lite an interesting alternative to full-blown emulator systems (which are available for 16FX as well).

Features

- No kernel linkage/upload required
- Utilises on-chip debug interface of all 16FX MCUs
- Set/clear breakpoints
- Set/clear range breakpoint
- Run, stop, abort
- Single-step debugging (step, step-in, step-out)
- Memory window
- Watch window
- Mixed source code view
- CPU register window

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MB96340 series block diagram.

Features

- Full version is free-of-charge in Europe
- Windows 98/Me/2000/XP version
- Editor with syntax highlighting
- Language tools like C-compiler, assembler and linker fully integrated
- Easy configuration of language tools by usage of graphical option dialogs
- Integrated instruction set simulator
- Supports in circuit emulator debugging (requires additional hardware)

Target Board

All important features of the 16FX Microcontroller series MB96340 can be evaluated with the contained target board. Connection between Debugger-PC and the target board is very easy: Simply plug in a USB cable.

Features

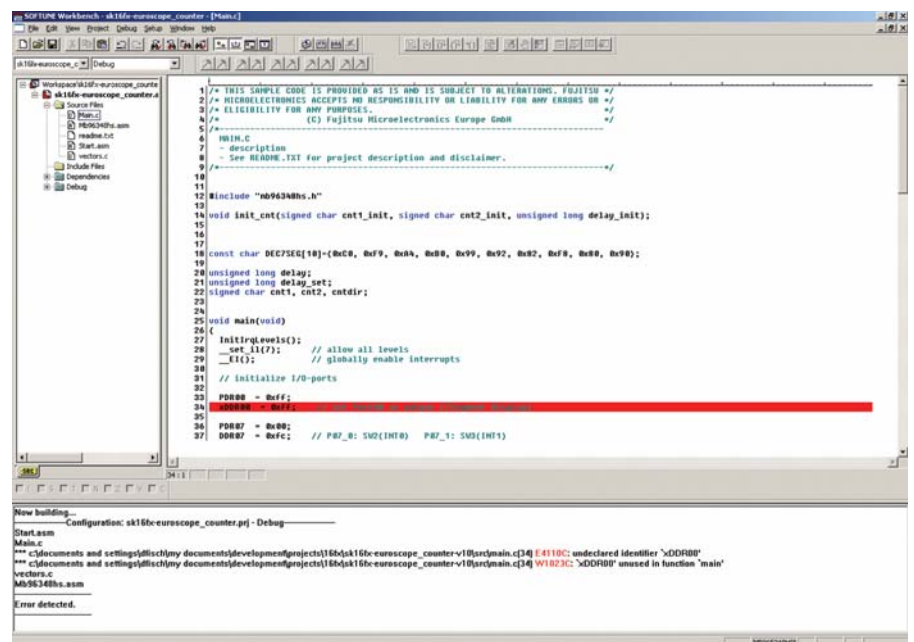
- Microcontroller MB96F348H
- 1 x UART-Transceiver (SUB-D9 connector)
- 1 x USB to serial converter
- 1 x High-speed CAN-Transceiver (SUB-D9 connector)
- 2 x LED-Display (7-Segment)
- 2 x 'User'-button
- 1 x 'Reset'-button, 'Reset'-LED
- All 100 pins routed to pin-header
- On-board 5V and 3V voltage regulators, 'Power'-LED
- USB power-supply (external power supply possible)

Softune Workbench

SOFTUNE WORKBENCH is an integrated development environment for Fujitsu's 8-, 16- and 32-bit Microcontrollers.

The tools, necessary to develop embedded software, are combined into one GUI (Graphical User Interface).

Project management support, source code editor, compiler, linker assembler and simulator debugger are content of this package.



Softune Workbench integrated development environment.

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