

README - about the Processor Expert product

Processor Expert 1.03 for Freescale MPC512x

CW plug-in IDE version 4.28 Plug-in for CodeWarrior

IMPORTANT: The Processor Expert generates the full version of drivers only after installing valid license in Licens

Contents:

INSTALLATION
PRODUCT CONTENT
WHERE TO FIND INFORMATION
CONTACTING PROCESSOR EXPERT DEVELOPMENT DEPARTMENT PROCESSOR EXPERT DIRECTORY OVERVIEW
KNOWN PROBLEMS AND LIMITATIONS
FAQ
DEMO APPLICATIONS
REVISION HISTORY
UNINSTALLATION

INSTALLATION

Minimum requirements:

- PC compatible machine (500MHz Pentium or AMD-K6)
- Windows 2000/XP/Vista with installed Internet Explorer 5.0 or higher
- Service Pack 3 on Windows 2000
- 512MB RAM
- 500MB free space on HDD
- Screen resolution: minimum 800x600, color display recommended. You must select SMALL FONTS if you can use also LARGE FONTS. (see Control Panel | Display | Settings | Font size) Recommended screen resolution: 1024x768, the graphic adapter: 256 colors or more.
- Mouse or other compatible pointing device
- CHM viewer installed (use hhupd.exe - included on the CD/available on the WWW-Site from Microsoft to
- Acrobat Reader 5.0 or higher
- xpdf package (included in the installation)
- ADMINISTRATOR RIGHTS in Win2K and XP

Installation

The Processor Expert is installed as part of the CodeWarrior. Please follow the instruction while installing CodeWarrior. Processor Expert can be done by selecting Custom installation of the CodeWarrior and selecting / deselecting appropriate co

Processor Expert main directory will be installed within CodeWarrior to "{CodeWarrior}\ProcessorExpert" director

Processor Expert help files will be installed within CodeWarrior to "{CodeWarrior}\Help" directory.

Processor Expert plug-in is started in CodeWarrior IDE when a Processor Expert project is opened or a new Proce

About license.dat

To run Processor Expert in FULL version is necessary to obtain License.dat which is located in Code-Warrior root in DEMO mode and the code is generated only partially. Generated code in DEMO mode is assumed to be used for p

PRODUCT CONTENT

Detailed information about the beans and templates you can find in the Documentation. Please refer to commands in the CodeWarrior IDE.

WHERE TO FIND INFORMATION

This file contains last-minute information about the Processor Expert and Processor Expert plug-in for CodeWarrior.

For detailed documentation, see the online Help that accompanies this release.

License information is described in the file license.txt

World Wide Web

<http://www.processorexpert.com/>

Address:

Freescale Semiconductor Inc.
6501 William Cannon Drive West
Austin, Texas 78735
U.S.A.

Tel. +420-5-41515777
Fax. +420-5-41210361

Processor Expert Support Department:
support@processorexpert.com
info@processorexpert.com

Processor Expert Sales Department:
sales@processorexpert.com

PROCESSOR EXPERT DIRECTORY OVERVIEW

Installed Processor Expert contains the following files and directories in {CodeWarrior}\ProcessorExpert\:

Directories and files

- Beans - Bean configuration files
- Config - Actual configuration of the PE
- CPUs - CPU bean configuration files
- DOCS - Documentation and help files
- Drivers - Contains appropriate bean drivers
- Lib - Processor Expert libraries or system files (I/O maps, startups, etc.)

- readme.txt: this file
- other Processor Expert files

{CodeWarrior}\bin\plugins\com contains following files:

- PE_Plugin.dll: Processor Expert plug-in

{CodeWarrior}\Help\ contains following files:

- PEOptions.hlp: Help file containig hints for PE Environment and Project options panel
- ProcessorExpert.chm: ProcessorExpert help file
- ProcessorExpert.pdf: ProcessorExpert help file in pdf format
- DeviceInitHelp.chm: Device init help file
- DeviceInitHelp.pdf: Device init help file in pdf format

KNOWN PROBLEMS AND LIMITATIONS

- CodeWarrior project wizard is not supported in this version.

F.A.Q.

Q: Cannot execute compressed HTML help format.

A: The Processor Expert uses for main part of documentation advantages of Microsoft compressed help files (*.CHM). Please use Internet Explorer 3.02 with update or Microsoft Internet Explorer 4.01. If you have problems to execute help such as:
<http://www.microsoft.com/>

If you cannot solve your problem please ask us about documentation in HTML form. This uncompressed HTML do

DEMO APPLICATIONS

This release doesn't contain any demo applications.

REVISION HISTORY (Processor Expert)

PE 1.03

- Init_NFC bean - These properties have been added for MPC5125: "1. byte of row address inc.", "2. byte of row address size" and interrupt enable properties: "Write error status", "Command done" and "Idle".
- Init_PSC bean - timing of the bean has been fixed (properties "Transmitter baud rate", "Receiver baud rate").
- Init_PMC bean - initialization of the PMCMR register has been fixed.
- Init_MSCAN - initialization of the CANRIER register has been fixed.
- MPC5121e, MPC5125 CPU beans - initialization of the RMR register has been added (properties in group "RMR").
- MPC5121e, MPC5125 CPU beans - initialization of the MSR register has been fixed.
- MPC5121e, MPC5125 CPU beans - Properties for the Instruction address breakpoint and System management bus have been added (properties in groups "Interrupts & Exceptions"->"Instruction address breakpoint" and "System management bus").
- MPC5125 CPU bean - Properties for the NFC module clock settings have been added (properties in group "NFC").
- MPC5125 CPU bean - Properties for the Clockout signals settings have been added (properties in group "Clockout").

PE 1.02

- Support of the MPC5125

PE 1.01

- Support of the latest silicon MPC5121e (Rev. 2)

PE 1.00

- Support of MPC5121e Rev.0

REVISION HISTORY (Plug-in)

Plug-in 4.28

- Device initialization shows "Additionally modified registers" - the same way as they are displayed in Processor Expert
- Freescale copyright transition
- Name of CPU package is displayed in the hint
- PE does not maintain #include in user modules after comment `"/* User modules ..."`, #6687
- It is possible to configure external tool, that will be invoked after each successful PE code generation

Plug-in 4.20

- Added 'Bean Store' button to the FlexLM error message dialog when no valid license for beans or tools found on the license pages.

Plug-in 4.14

- Initial release

DOCUMENTATION UPDATES

Online help is updated against the printout.

UNINSTALLATION

Please follow the instruction for uninstalling CodeWarrior. Processor Expert is uninstalled as part of it.

Note: Microsoft stands for Microsoft Corporation.