Actum Solutions releases version 4.2 of Realizer®

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Actum Solutions announced today that version 4.2 of Realizer® is shipping now. Realizer® is Actum Solutions' tool to develop code for small embedded systems using a CAD system. Realizer® technology is based on the demands that have been identified in the world of embedded applications.

Realizer offers an intuitive user interface using graphical representation. It is also able to make design rule checks in real time and maintain a high level of abstraction throughout the design cycle. Realizer is equipped with a versatile and complete symbol library where each symbol is efficiently implemented in assembly language. New symbols can be designed and applied easily using the built-in symbol editor. Realizer generates the optimal program code for supported microcontrollers because detailed knowledge about the registers and instruction set are built into Realizers' code generator.

Another attractive feature is the ease in which the microcontroller type or family can be changed. The designer simply selects another target device from the extensive list and regenerates the code. Design verification is made easy by the built-in simulator and a performance report can be generated after simulation. Realizer benefits designers by decreasing time to market and providing them with instant documentation to improve the quality of the project.

New features

We have added a few new features in Realizer version 4.2. The features are shown in the list below.

- Improved Undo handling

- Improved scroll, pan and zoom functions

- Extended list of keyboard short-cuts

New code generator

Realizer Interpretative code generator

A new code generator is available. This code generator generates Realizer Interpretative code. This code is fully micro controller independent and can be executed on any system with the Realizer Interpreter.

For more information contact our sales department (sales@actum.com).

New supported targets

We have added a lot of new targets in Realizer version 4.2. The new supported targets are shown in the lists below. For more information about the targets itself, please visit http://mcu.st.com for STM targets and http://www.microchip.com for Microchip targets.

New targets for Realizer ST62

No new targets have been added.

New targets for Realizer ST72

Target	I/O	Speed	Codemem.	Datamem.
ST7Flite30	15	16 MHz	8k*8bit	384 byte RAM
ST7Flite35	15	16 MHz	8k*8bit	384 byte RAM
ST7Flite39	15	16 MHz	8k*8bit	384 byte RAM / 256 byte EEPROM

New targets for Realizer PIC12B

Target	I/O	Speed	Codemem.	Datamem.
PIC12F200	4	4 MHz	256*12bit	16 byte RAM
PIC12F202	4	4 MHz	512*12bit	24 byte RAM
PIC12F204	4	4 MHz	256*12bit	16 byte RAM
PIC12F206	4	4 MHz	512*12bit	24 byte RAM
PIC12C508A	6	4 MHz	512*12bit	25 byte RAM
PIC12C509A	6	4 MHz	1k*12bit	41 byte RAM
PIC12F508	6	4 MHz	512*12bit	25 byte RAM
PIC12F509	6	4 MHz	1k*12bit	41 byte RAM
PIC16C54A	12	40 MHz	512*12bit	25 byte RAM
PIC16C54C	12	40 MHz	512*12bit	25 byte RAM
PIC16F54	12	40 MHz	512*12bit	25 byte RAM
PIC16C55A	20	40 MHz	512*12bit	24 byte RAM
PIC16C56A	12	40 MHz	1k*12bit	25 byte RAM
PIC16C57C	20	40 MHz	2k*12bit	72 byte RAM
PIC16F57	20	40 MHz	2k*12bit	72 byte RAM
PIC16C58B	12	40 MHz	2k*12bit	73 byte RAM
PIC16F59	32	40 MHz	2k*12bit	134 byte RAM

New targets for Realizer PIC14B

Target	I/O	Speed	Codemem.	Datamem.
PIC12F629	6	20 MHz	1k*14bit	128 byte RAM
PIC12F675	6	20 MHz	1k*14bit	128 byte RAM
PIC12F683	6	20 MHz	2k*14bit	128 byte RAM / 256 byte EEPROM
PIC16F627A	16	20 MHz	1k*14bit	224 byte RAM / 128 byte EEPROM
PIC16F628A	16	20 MHz	2k*14bit	224 byte RAM / 128 byte EEPROM
PIC16C62A	22	20 MHz	2k*14bit	128 byte RAM
PIC16C62B	22	20 MHz	2k*14bit	128 byte RAM
PIC16C63A	22	20 MHz	4k*14bit	192 byte RAM
PIC16C64A	33	20 MHz	2k*14bit	128 byte RAM
PIC16C65B	33	20 MHz	4k*14bit	192 byte RAM
PIC16F716	13	20 MHz	2k*14bit	128 byte RAM
PIC16C72A	22	20 MHz	2k*14bit	128 byte RAM
PIC16F72	22	20 MHz	2k*14bit	128 byte RAM
PIC16C73A	22	20 MHz	4k*14bit	192 byte RAM
PIC16C73B	22	20 MHz	4k*14bit	192 byte RAM
PIC16F73	22	20 MHz	4k*14bit	192 byte RAM
PIC16C74A	33	20 MHz	4k*14bit	192 byte RAM
PIC16C74B	33	20 MHz	4k*14bit	192 byte RAM
PIC16F74	33	20 MHz	4k*14bit	192 byte RAM
PIC16F76	22	20 MHz	8k*14bit	368 byte RAM
PIC16F77	33	20 MHz	8k*14bit	368 byte RAM
PIC16F84A	14	20 MHz	1k*14bit	68 byte RAM / 64 byte EEPROM
PIC16F870	22	20 MHz	2k*14bit	128 byte RAM / 64 byte EEPROM
PIC16F871	33	20 MHz	2k*14bit	128 byte RAM / 64 byte EEPROM
PIC16F872	22	20 MHz	2k*14bit	128 byte RAM / 64 byte EEPROM
PIC16F873A	22	20 MHz	4k*14bit	192 byte RAM / 128 byte EEPROM
PIC16F874A	33	20 MHz	4k*14bit	192 byte RAM / 128 byte EEPROM
PIC16F876A	22	20 MHz	8k*14bit	368 byte RAM / 256 byte EEPROM
PIC16F877A	33	20 MHz	8k*14bit	368 byte RAM / 256 byte EEPROM

Ansi-C generator

No additions.

Realizer's Gold model is currently available for € 1590.00. The Silver model (without the various optimizations that are included in the Gold model) is available for € 890.00 and the Bronze model (for evaluating Realizer) is available for free from Actum Solutions' website at http://www.actum.com.

Special prices to update to the new Realizer version 4.2 are available. For more information please refer to Actum Solutions' website at *http://www.actum.com* or send an e-mail to info@actum.com.

Actum Solutions is a software development company based in the Netherlands. The company employs 12 people and was founded in 1990. It's mission is to provide tools with which the majority of microcontroller applications can be realized by designers both efficiently and clearly, without the need to become an assembly language expert.

note: Realizer is a registered trademark of Actum Solutions. All other trademarks are the property of their respective owners.