Realizer Version 4.50 now available

Product:

Realizer Version 4.50

Product Description:

Actum Solutions Realizer® is an advanced CAD solution that enables you to develop code for embedded systems using an intuitive graphical interface. Rather than laboriously programming in the assembly language specific to a particular micro-controller family or cryptic C-code, you can choose from a rich set of symbols and simply "wire" them together according to the logical program flow you desire. Realizer then generates efficient assembly language code for the chosen target micro-controller, along with complete documentation of the code. This abstraction of the logical functions of the micro controller from the underlying assembly language enables you to realize your designs in hardware without deep knowledge of micro-controller programming, greatly increasing your productivity and speeding time to market for new and improved products.

Realizer is the result of twenty years of development in close cooperation with our customers, resulting in a coding solution that supports three fundamental demands of embedded application development in a competitive, time-sensitive market environment:

- High-level, top-down approach for maximum designer productivity.
- High-quality code for optimal product functionality.
- Self-documenting for product maintainability throughout its life cycle.

Core Product Features:

Maintains a high level of abstraction throughout the design cycle

- Concentrate on what you want to do, rather than how to do it! Realizer enables you to take your understanding of product functionality, and turn it directly into code without any knowledge of assembly language. In effect, Realizer's top-down approach lets you build software as though it were hardware, simply by wiring functional symbols together in a logical flow.

Automatically generates optimal program code for your chosen micro-controller

- Realizer generates code optimized for the target micro-controller, based on years of field experience and optimization by Actum Solutions experts. You can concentrate on product functionality rather than code optimization.

Extensive library of symbols efficiently implemented in assembly language

- The functional symbols Realizer makes available to you are based on many years of experience with the target micro-controllers, along with extensive customer feedback. Each target has a rich set of thoroughly-tested symbols available, supporting rapid product development and testing.

Built-in design rule checks

- Realizer's object-oriented design makes extensive use of inheritance to support functions like automatic type checking on symbol pins (e.g., inputs and outputs), helping you avoid costly errors and speeding development.

Easy change of target controller

- You can easily re-use code, upgrade your product's functionality as new micro-controllers become available, and avoid lock-in to one supplier

Built-in symbol editor for creation of new symbols

- You can extend the functionality of Realizer libraries for your specific needs, thus increasing your productivity and speeding time to market for your products.

Self-documenting code

- Push a button, get the code, push another button, and get the documentation from the printer! Well-documented code is essential for maintaining a product throughout its life cycle. With Realizer, you can get detailed documentation of the code with a few clicks of the mouse.

Built-in simulator with performance reporting

- Realizer lets you iteratively test your design using the same schematic you used to create it. Effortlessly switch between a functional (state diagram) and pin-level (hardware) view of your design, easily apply new test conditions and step through program functions, create and use test vectors for efficient quality assurance testing.

New Features in Version 4.5

New Micro Controller Targets

Realizer Version 4.5 supports many new STM8 micro controllers, extending the range of embedded solutions available to you. For more information about the targets themselves, please visit http://mcu.st.com for STM targets.

New targets for Realizer STM8

Target	Code memory	Data memory	Pins
STM8S003F3	8K Flash	1K bytes	20 pins
STM8S003K3	8K Flash	1K bytes	32 pins
STM8S005K6	32K Flash	2K bytes	32 pins
STM8S005C6	32K Flash	2K bytes	48 pins
STM8S007C8	64K Flash	6K bytes	48 pins
STM8L051F3	8K Flash	1K bytes	20 pins
STM8L052C6	32K Flash	2K bytes	48 pins
STM8L052R8	64K Flash	4K bytes	64 pins
STM8L101F1	2K Flash	1.5K bytes	20 pins
STM8L101F2	4K Flash	1.5K bytes	20 pins
STM8L101F3	8K Flash	1.5K bytes	20 pins
STM8L101G2	4K Flash	1.5K bytes	28 pins
STM8L101G3	8K Flash	1.5K bytes	28 pins
STM8L101K3	8K Flash	1.5K bytes	32 pins
STM8L151F2	4K Flash	1K bytes	20 pins
STM8L151F3	8K Flash	1K bytes	20 pins
STM8L151G2	4K Flash	1K bytes	28 pins
STM8L151G3	8K Flash	1K bytes	28 pins
STM8L151G4	16K Flash	2K bytes	28 pins
STM8L151G6	32K Flash	2K bytes	28 pins
STM8L151K2	4K Flash	1K bytes	32 pins
STM8L151K3	8K Flash	1K bytes	32 pins
STM8L151K4	16K Flash	2K bytes	32 pins
STM8L151K6	32K Flash	2K bytes	32 pins
STM8L151C2	4K Flash	1K bytes	48 pins
STM8L151C3	8K Flash	1K bytes	48 pins
STM8L151C4	16K Flash	2K bytes	48 pins
STM8L151C6	32K Flash	2K bytes	48 pins
STM8L151C8	64K Flash	4K bytes	48 pins

Target	Code memory	Data memory	Pins
STM8L151R6	32K Flash	4K bytes	64 pins
STM8L151R8	64K Flash	4K bytes	64 pins
STM8L151M8	64K Flash	4K bytes	80 pins
STM8L152K4	16K Flash	2K bytes	32 pins
STM8L152K6	32K Flash	2K bytes	32 pins
STM8L152C4	16K Flash	2K bytes	48 pins
STM8L152C6	32K Flash	2K bytes	48 pins
STM8L152C8	64K Flash	4K bytes	48 pins
STM8L152R6	32K Flash	4K bytes	64 pins
STM8L152R8	64K Flash	4K bytes	64 pins
STM8L152M8	64K Flash	4K bytes	80 pins
STM8L162R8	64K Flash	4K bytes	64 pins
STM8L162M8	64K Flash	4K bytes	80 pins

Pricing

Realizer's Gold:	€	1590.00
Realizer Silver:	€	890.00
Realizer Bronze:	Free download for evaluation purposes, limited to 15 symbols per design.	

Upgrades

Existing customers may update their Realizer versions for a special price, depending on their version. For more information please visit our web site: www.actum.com.

About Actum Solutions

Headquartered in Heerhugowaard in the Netherlands, Actum Solutions is a software development company that provides tools to enable embedded application developers to quickly develop optimized code without the need to become assembly language experts. These solutions extend the reach of developers to a wider range of micro-controller families than otherwise possible, enhancing their productivity and delivering a much faster time to market in an increasingly competitive world.

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