

MakeApp Consulting AB

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Press Release from MakeApp Consulting AB

December 10, 2004

MakeApp Consulting AB announces a new IAR MakeApp® for Renesas M16C

Jonkoping, Sweden – December 10, 2004 – MakeApp Consulting AB today announced that the product IAR MakeApp® for Renesas M16C is available in a new release supporting additional Renesas M16C microcontrollers. The product is available FREE of charge from the IAR Systems web-site as a result of a co-operation with IAR Systems and Renesas Technology Europe Limited.

The new product IAR MakeApp® for Renesas M16C supports additional Renesas M16C and R8C devices. The product is a powerful configuration tool and helps engineers to take full advantage of the high performance Renesas M16C microcontrollers. The tool generates a complete set of device drivers according to the configuration ready to be used by application software. This means that new intelligent embedded products can be developed quickly and new functionality can easily be added into existing products by using the flexibility of the M16C microcontrollers.

The product is based upon the latest MakeApp technology platform including features like CAD-like drawing editor, project explorer, data book browser, component library, component browser, component configuration and code generation. An HTML project report generator together with a report viewer is also included. Special function register values are automatically calculated according to property dialog box settings. SFR-header files for Mitsubishi M16C and macros for accessing SFR bit-fields are generated automatically. The device drivers are generated in C language. Initialisation, run-time control and interrupt handling functions are generated for the peripheral modules.

The product is available for FREE download at www.iar.com/Products/?name=MPM16C62 as a result of co-operation with IAR Systems AB and Renesas Technology Europe Limited.

Product facts, IAR MakeApp® for Renesas M16C version 4.10A

Supported M16C microcontroller groups:

- Renesas M16C/26A group (42-pin and 48-pin versions) **NEW!**
- Renesas M16C/28 group (64-pin and 80-pin versions) **NEW!**
- Renesas M16C/29 group (64-pin and 80-pin versions) **NEW!**
- Renesas R8C/10 group (32-pin versions) **NEW!**
- Renesas R8C/11 group (32-pin versions) **NEW!**
- Renesas R8C/12 group (32-pin versions) **NEW!**
- Renesas R8C/13 group (32-pin versions) **NEW!**
- Renesas M16C/62 group (80-pin and 100-pin versions)
- Renesas M16C/62A group (80-pin and 100-pin versions)
- Renesas M16C/62M group (80-pin and 100-pin versions)
- Renesas M16C/62P group (100-pin and 128-pin versions)

Supported M16C peripherals:

- CPU – Bus control, Area control, Clock, Watchdog timer
- I/O – Input /Output Ports
- INT – Interrupt controller pins and priority settings
- SIO – Serial I/O
- MMI2C – Serial I2C bus **NEW!**
- CAN – Controller Area Network **NEW!**
- TMR – Timers A, B
- TMR – Timers C, X, Y, Z **NEW!**
- TMRS – Timer S **NEW!**
- DMA – Direct Memory Access Controller
- A/D – A/D Converter
- D/A – D/A Converter

Included Board Support Projects (BSP):

- Renesas 3-D starter kit for M16C/26A **NEW!**
- Renesas 3-Diamond board for M16C/62P

About IAR Systems

IAR Systems is one of the world's leading providers of programming tools for embedded systems. In close cooperation with the world's premier chip manufacturers, IAR has ever since the company was founded in 1983 offered integrated programming tools for a large number of 8-, 16-, and 32-bit microprocessors. IAR's business concept is to offer products and services that help customers reduce development time and accelerate time to market. The product portfolio includes C/C++ compilers and debuggers, graphical programming tools for automated design and code generation.

For more information about IAR Systems visit www.iar.com

About MakeApp Consulting AB

MakeApp Consulting AB is a consulting service company and a software development tool manufacturer, within the area of embedded systems.

As a **consulting service company**, we provide expert competence in embedded systems development.

Let us add our embedded experience into your project or handle the complete product development.

As a **tool manufacturer**, we develop the MakeApp product, a configuration- and code generation tool.

The MakeApp product can be used to configure, not only microcontrollers, but also intellectual property (IP), operating systems (OS), board support packages (BSP), and System-on-chip solutions (SoC).

As a **consulting service company & tool manufacturer**, we help you to create customised MakeApp solutions, to make your proprietary software configurable through MakeApp.

For more information about MakeApp Consulting AB, visit <http://www.makeapp.se>

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