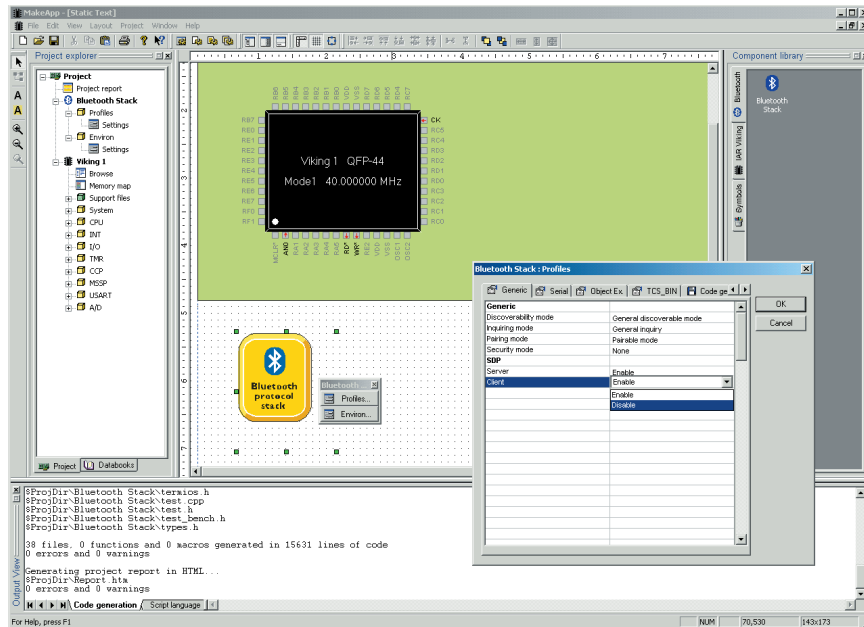


Bluetooth™
protocol
stack
generator

Cut your development time



Bluetooth™ Protocol Stack configuration and generation tool



IAR Systems is the world's leading supplier of tools for automatic, high-quality source-code generation. IAR Systems is a Bluetooth Solution Provider appointed by Ericsson Microelectronics, and currently the only company in the world to offer a complete set of professional embedded systems development tools for Bluetooth application developers. IAR MakeApp for the Bluetooth Protocol Stack is the world's first optimizing Bluetooth protocol stack generator.

MARKET DEMAND

Many companies are striving to incorporate Bluetooth capabilities as quickly as possible into their products. Bluetooth wireless technology has become one of the most expansive areas in the embedded marketplace. Given the thousands of pages of Bluetooth specifications, implementing and validating the stack is a formidable task for most companies. While Bluetooth stacks are

commercially available, they are expensive and not automatically configurable or optimized for individual applications. Since the footprint is large, the stack is less useful in small embedded systems. Furthermore, the tools needed to incorporate Bluetooth capabilities, such as compilers, protocol stacks, debugging tools and evaluation boards, have not been integrated.

IAR MAKEAPP FOR THE BLUETOOTH PROTOCOL STACK BENEFITS

IAR Systems offers a state-of-the-art Bluetooth protocol stack generator based on IAR MakeApp technology.

You configure the stack on a high abstraction level and the code generator then generates an optimized, tailor made stack implementation.

As unused parts of the stack are removed, it becomes more efficient and will fit in small embedded systems. Our Bluetooth protocol stack is royalty-free and highly cost effective compared to other commercially available solutions.

IAR can offer one-stop-shopping whereby you obtain a complete Bluetooth development tool-chain from the same supplier.



From Idea to Target

www.iar.com

IAR MAKEAPP FOR THE BLUETOOTH PROTOCOL STACK FEATURES

- Graphical user interface for stack configuration.
- Optimizing code generator creates tailor made stack source code.
- Dependency manager includes and removes stack parts as needed.
- Support for all stack elements that are needed for the choosen profile.
- The stack is royalty free and thus very cost effective.
- Support for target-specific adaptations and configurations.

INITIAL BLUETOOTH SUPPORT

- HCI
- L2CAP
- RFCOMM
- SDP
- Serial Port profile

INITIAL TARGET SUPPORT

The generated stack is tailored for the desired target platform, either an embedded microcontroller or a host PC.

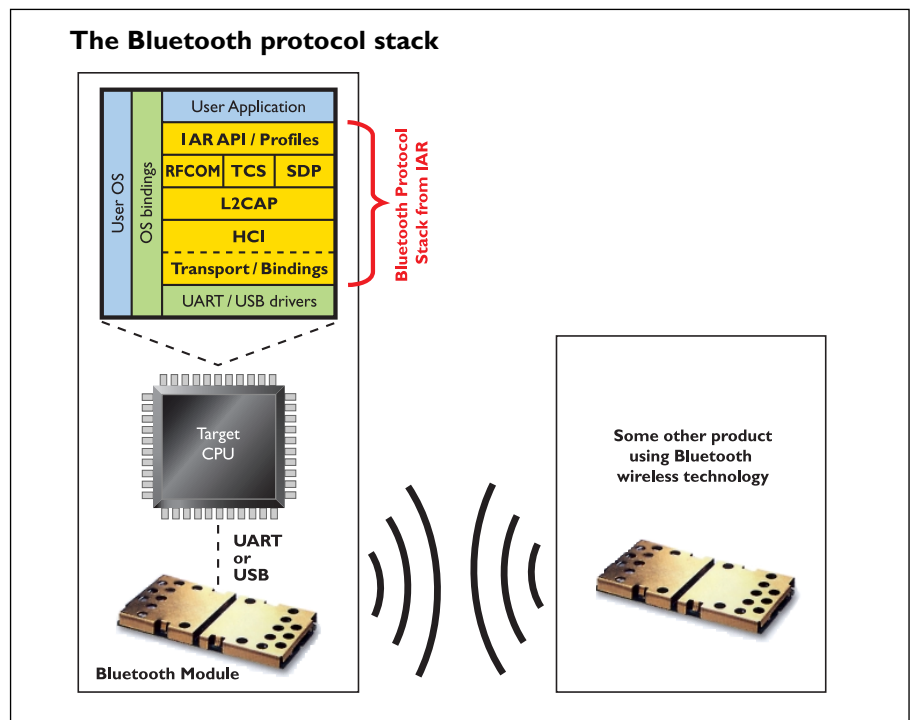
- For host PCs, we support Microsoft Windows® 98, NT4 and 2000 on both RS232 and USB (drivers included).
- For embedded microcontrollers, we offer to adapt the stack for your target devices on any suitable communications link, such as RS232 or USB.

SOLUTION PROVIDER

IAR Systems is a Bluetooth Solution Provider appointed by Ericsson Microelectronics, and we are the developer and manufacturer of the Bluetooth Starter Kits from Ericsson Microelectronics.

SUMMARY

The IAR MakeApp for the Bluetooth Protocol Stack product includes a graphical user interface for stack configuration, a dependency manager, and an optimizing code generator that creates optimized Bluetooth protocol stack source code instantly.



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