



Atmel AVR Studio 5 Development and Debugging



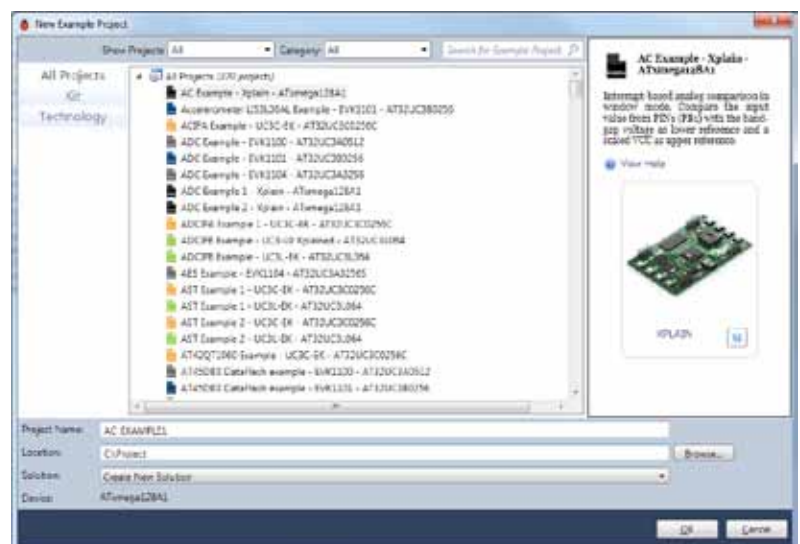
Atmel AVR Studio 5

Atmel® AVR Studio® 5 is the Integrated Development Environment (IDE) for developing and debugging embedded Atmel AVR® applications, and gives you a seamless and easy-to-use environment to write, build, and debug your C/C++ and assembler code. It makes editing and debugging source code easier by seamlessly bringing together an intelligent editor with assisted code writing, a wizard for quickly creating new projects, the AVR Software Framework source code library, a GNU C/C++ Compiler, a powerful simulator, and the front-end visualizer for all of the Atmel AVR programmers and in-circuit debuggers.

AVR Studio 5 combines the best features of the 8-bit Atmel AVR Studio 4 and the 32-bit Atmel AVR32 Studio into one environment that supports all 8- and 32-bit AVR microcontrollers. It also gives you easy access to online documentation and other resources, including device datasheets, tools user guides, example project documentation, and kit shopping directly from Atmel's online store.

Application and Driver Software

AVR Software Framework, which is included with AVR Studio 5, has been extended to cover both 8-bit Atmel AVR XMEGA® and 32-bit Atmel AVR UC3 microcontrollers. It contains drivers for all peripherals, communication stacks; graphics, DSP and audio libraries; and more than 400 complete example designs. Using code from the AVR Software Framework will allow designers to accelerate the development of new applications by including available code from the library.





Atmel AVR Studio 5

Development and Debugging

Debugging made easy

Atmel® AVR Studio® 5 connects directly to Atmel AVR® debuggers and programmers. One of the biggest advantages of modern microcontrollers is their ability to send debug data to your PC, giving you a perfect view of what goes on inside. With an AVR debugger connected, AVR Studio 5 can present the status of all processors, memories, communication interfaces, and analog interfaces in nicely formatted views, giving you access to critical system parameters. There simply is no faster way to identify bugs and optimize a design, in the lab or in the field.

To learn more visit www.atmel.com/avrstudio

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