

AT88CK101STK3

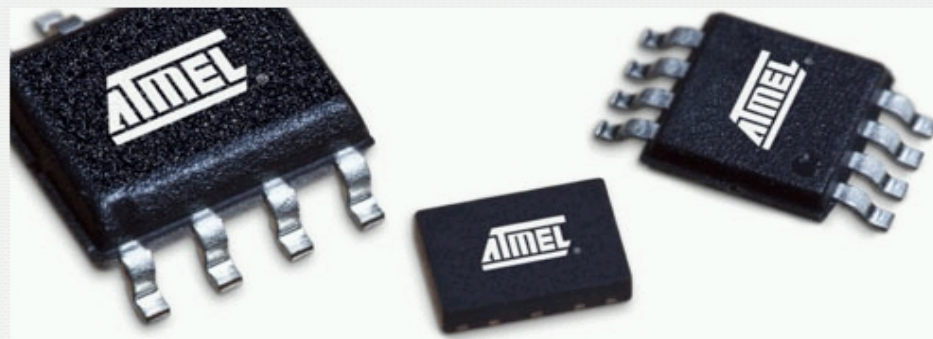
Overview

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Development tool for applications that protect confidential files, encrypt downloads, perform two-factor logons, authenticate products, and prevent software piracy. The starter kit includes a microbase board with a USB interface that lets designers learn and experiment on their PCs. It includes a daughterboard that interfaces to the microbase via a 10-pin header. The daughterboard has a single 3-pin SOT23 socket for development. Software developed on the PC can also serve as the base for code to be ported to an embedded microcontroller. Source code can also be edited to integrate with ARM or other platforms. This kit uses a modular approach, enabling the daughterboard to connect directly to an STK series AVR development platform to easily add security to applications. An optional adapter kit is also available when the 10-pin header on the daughterboard requires a different pin out. The easy-to-use CryptoAuthentication™ utility demonstrates the functionality of the CryptoAuthentication device.

Key Features

- **Kit includes: microbase board, single socket development board, USB extension cable, CryptoAuthentic**

Software Description

**CryptoAuthentication Firmware AT88CK109STK3 Version 4.2**

(19590, updated May 2010)

This download contains firmware which operates on the Atmel AT88CK101STK3 and Atmel AT88CK109STK3 development kits. This firmware works only in conjunction with the CryptoAuthentication™ Utility Version 4.2.

**CryptoAuthentication AT88SA10x Development Library**

(1492836, updated May 2010)

Source code and documentation for the Atmel CryptoAuthentication™ AT88SA10x firmware library.

**CryptoAuthentication Compact Code Example for WINAVR and AT90USB1287**

(8358, updated May 2010)

This download contains a compact library example to do a challenge response using the Atmel AT88SA102S device. WinAVR compiler and an Atmel AVR® AT90USB1287 were used.

**CryptoAuthentication Demonstration Utility**

(1864087, updated May 2011)

This download contains a windows application which interfaces to the Atmel AT88CK109STK3 and the Atmel AT88CK440 development kits. It provides a GUI tool to be used for demonstration, education and personalization of Atmel CryptoAuthentication™ products. This Utility requires the latest version of CryptoAuthentication Firmware AT88CK109STK3 in order to operate properly.

**Atmel Crypto Evaluation Studio (ACES) and ACES ATSHA204 Demo**

(65.3MB, updated August 2012)

The ACES package is a suite of software tools to configure and demonstrate the Atmel ATSHA204 device using the Atmel AT88CK454BLACK, the Atmel AT88CK101STK3, the Atmel AT88CK101STK8, the Atmel AT88CK109STK3, the Atmel AT88CK109STK8, and the ATAVRSECURITYX Xplained kits. The ACES ATSHA204 Demo tool is included.



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