

Atmel® CryptoAuthentication™ USB Dongle Demo-Evaluation Kits For ATSHA204A, ATAES132A, ATECC108A, and ATECC508A

QUICK START GUIDE

Figure 1. Atmel AT88CK590 Demo-Evaluation Kit

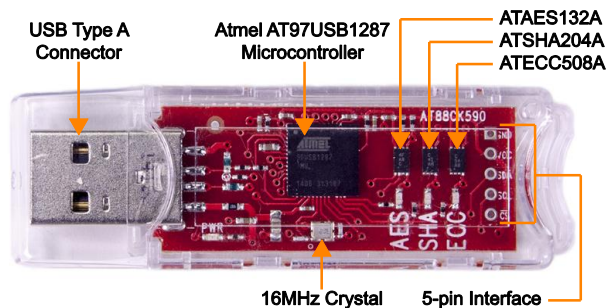
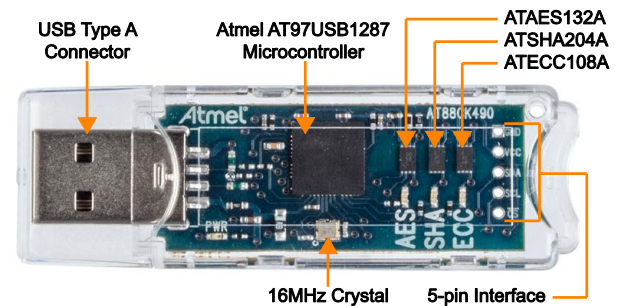


Figure 2. Atmel AT88CK490 Demo-Evaluation Kit



Step 1 Visit and Browse for the ACES Software at www.atmel.com

The ACES (Atmel Crypto Evaluation Studio) software and its information is located at:
www.atmel.com/tools/ATMELCRYPTOEVALUATIONSTUDIO_ACES.aspx

Step 2 Register and Download the ACES Setup File (ACES_Setup_x.x.x.exe)

- ▶ For the Atmel AT88CK590 Kit, ACES 5.0.0 or higher is required.

Step 3 Install ACES Setup File

Install **ACES_Setup_x.x.x.exe** and follow the instructions in the set-up wizard to complete the installation. The ACES Configuration Environment (CE) icon will be placed on the desktop.

Step 4 Plug the USB Dongle Kit into a USB Port

The kit's power and devices LED lights will turn on.

Step 5 Start the ACES CE Software Program

Either open the program via the desktop icon or via the **Start** menu > **All Programs** > **Atmel Crypto Solutions** > **ACES** > **ACES CE**.

Step 6 Select the Atmel CryptoAuthentication Device to Evaluate

Select the device to evaluate and click on the **Select Device** button. The selected device's LED will light.

Step 7 Evaluate the Selected Device Using ACES

Please reference the "Atmel CryptoAuthentication USB Dongle Demo-Evaluation Kits Hardware User Guide" for more information:

www.atmel.com/Images/Atmel-8945-CryptoAuth-USB-Dongle-Demo-Eval-Kits-Hardware-UserGuide.pdf

Step 8 Optional: Communicate with the CryptoAuthXplained Kit Protocol

The protocol allows control of all devices on the I²C bus. Source code for the kit protocol is available for download at www.atmel.com/cryptokits.



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