

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Atmel](#)  
[ATAVRSECURITYX](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



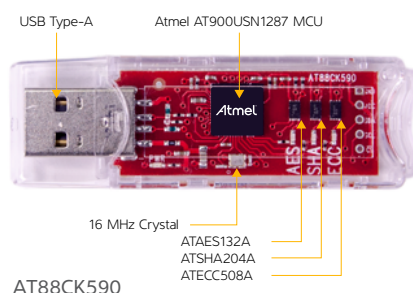
## CryptoAuthentication™ Crypto Elements with Hardware-Based Key Storage

Evaluation, Development, and Production Kit  
Selection Guide



### Kits for Every Stage

Atmel® provides kits to assist evaluators and developers through every stage of the design process—from evaluation all the way to small-run production. All Atmel crypto kits run ACES (Atmel CryptoAuthentication Evaluation System) software to configure the Atmel CryptoAuthentication devices. The combination of user-friendly hardware and software offers users exactly what they need throughout evaluation, development, and production.



### It All Starts with a Evaluation Kit

The Atmel AT88CK490 evaluation kit contains three devices: the ATSHA204A, ATECC108A, and ATAES132A. The ATECC508A replaces the ATECC108A on the AT88CK590 kit (red board). These kits allow users to run ACES software to configure and evaluate the operation of any of the three crypto devices on the kit boards. Once users get a feel for the operation and performance of the devices, they can easily use the next tool in the flow.

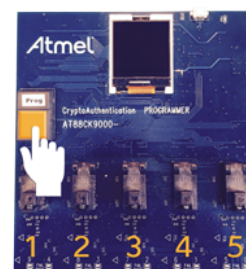
### The Next Step—the AT88CK101 or the CryptoAuth Xplained Pro Development Kit

The Atmel AT88CK101 is a socketed kit that allows the developer to program CryptoAuthentication devices and then install those devices in their system. Versions that support the various device package types are available. Another development kit option is the CryptoAuth Xplained Pro, which is a standard 20-pin daughterboard that instantly adds CryptoAuthentication devices to the Atmel Xplained and Xplained Pro development environment boards.



### AT88CK90000 Secure Personalization Kit (Option)

The Atmel AT88CK9000 allows programming of small device batches of device quickly, easily, and cost-effectively. This option decreases the cycle times of prototype, pre-production, and lower-volume production, improving time to market. The AT88CK9000 securely programs up to five devices at the same time. Running production is literally as easy as pressing a button.



**AT88CK9000**  
Just press the big yellow button to program five devices at the same time.



# CryptoAuthentication™ Crypto Elements with Hardware-Based Key Storage

## Evaluation, Development, and Production Kit Selection Guide

Kit Type	Ordering Code	Devices
AT88CK490 Evaluation Kit	AT88CK490	ATSHA204A, ATECC108A, and ATAES132A
CryptoAuth Xplained Pro Extension	ATCRYPTOAUTH-XPRO	ATSHA204A, ATECC508A, and ATAES132A
AT88CK590 Evaluation Kit	AT88CK590	ATSHA204A, ATECC508A, and ATAES132A
AT88CK101 Development Kit (SOT23)	AT88CK101SK-TSU-XPRO	ATSHA204A
AT88CK101 Development Kit (8-SOIC)	AT88CK101SK-SSH-XPRO	ATSHA204A, ATECC108A, ATECC508A, and ATAES132A
AT88CK101 Development Kit (8-UDFN)	AT88CK101SK-MAH-XPRO	ATSHA204A, ATECC108A, ATECC508A, and ATAES132A
AT88CK101 Development Kit (3-lead RBH)	AT88CK101SK-RBH	ATSHA204A, ATECC508A and ATECC108A
AT88CK9000 Production Tool (UDFN8)	AT88CK9000-8MA	ATSHA204A
AT88CK9000 Production Tool (SOIC8)	AT88CK9000-8SH	ATSHA204A
AT88CK9000 Production Tool (8-Lead TSSOP) <sup>(1)</sup>	AT88CK9000-8TH	ATSHA204A
AT88CK9000 Production Tool (3-Contact RBH)	AT88CK9000-RBH	ATSHA204A
AT88CK9000 Production Tool (SOT23-3)	AT88CK9000-TSU	ATSHA204

<sup>(1)</sup> TSSOP package is not recommended for new designs

For more information visit [www.atmel.com/cryptokits](http://www.atmel.com/cryptokits)



**Atmel** | Enabling Unlimited Possibilities®



**Atmel Corporation** 1600 Technology Drive, San Jose, CA 95110 USA **T :** (+1)(408) 441.0311 **F :** (+1)(408) 436.4200 | **www.atmel.com**

© 2015 Atmel Corporation. / Rev.: Atmel-8804B-CryptoAuth-Kit-Guide-Flyer\_E\_US\_052015

Atmel®, Atmel logo and combinations thereof, Enabling Unlimited Possibilities®, CryptoAuthentication™ and others are registered trademarks or trademarks of Atmel Corporation in U.S. and other countries. Other terms and product names may be trademarks of others.

Disclaimer: The information in this document is provided in connection with Atmel products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Atmel products. EXCEPT AS SET FORTH IN THE ATMEL TERMS AND CONDITIONS OF SALES LOCATED ON THE ATMEL WEBSITE, ATMEL ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL ATMEL BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS AND PROFITS, BUSINESS INTERRUPTION, OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF ATMEL HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Atmel makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and products descriptions at any time without notice. Atmel does not make any commitment to update the information contained herein. Unless specifically provided otherwise, Atmel products are not suitable for, and shall not be used in, automotive applications. Atmel products are not intended, authorized, or warranted for use as components in applications intended to support or sustain life.