



Atmel CryptoAuthentication

Development and Evaluation Kit Selection Guide






Atmel CryptoAuthentication Development Kits

The Atmel® CryptoAuthentication™ development kits are advanced kits for design and development engineering. These kits include socket adaptors for low volume configuration and personalization of the Atmel CryptoAuthentication devices. They also include a USB interface with an Atmel AVR® microcontroller base board with a JTAG header which can be used to integrate code using the STK series and ARM development

platforms. The development kits can also be used with the Atmel Crypto Evaluation Studio (ACES) to demonstrate device functionality.

The socket adaptors come in two flavors:




- Single socket – used for client only authentication
- Dual socket – used when there is a host and client IC application requirement

Atmel Related Devices	Atmel Development Kits	Products
ATSHA204 ATAES132	AT88CK101STK8 <ul style="list-style-type: none"> • Single socket kit • 8-lead SOIC package • AVR base board • Supports single wire, I²C, or SPI interfaces 	
	AT88CK109STK8 <ul style="list-style-type: none"> • Dual socket kit • 8-lead SOIC package • AVR base board • Supports single wire or I²C interfaces 	
	ATAVRSECURITYX <ul style="list-style-type: none"> • Soldered on devices • Add-on board for the Atmel AVR Xplained series board • ASF library support 	



Atmel CryptoAuthentication



Development and Evaluation Kit Selection Guide

Atmel Related Devices	Atmel Development Kits	Products
<p>ATSHA204 ←</p> 	<p>AT88CK101STK3</p> <ul style="list-style-type: none"> • Single socket kit • 3-lead SOT23 package • AVR base board • Supports single wire interface 	
	<p>AT88CK109STK3</p> <ul style="list-style-type: none"> • Dual socket kit • 3-lead SOT23 package • AVR base board • Supports single wire interface 	

Atmel CryptoAuthentication Evaluation Kits

The Atmel CryptoAuthentication evaluation kits are compact, USB interface kits. They are ideal for quickly familiarizing and experimenting with the Atmel CryptoAuthentication devices. The kits include an Atmel AVR

microcontroller that allows engineers, developers, and decision makers the ability to program and evaluate the CryptoAuthentication devices using the provided Atmel Crypto Evaluation Studio (ACES) environment.

Atmel Related Devices	Atmel Evaluation Kits	Products
<p>ATSHA204 →</p>	<p>AT88CK454BLACK</p>	
<p>ATAES132 →</p>	<p>AT88CK427GREEN</p>	

Atmel Corporation
 2325 Orchard Parkway
 San Jose, CA 95131
 USA
Tel: (+1) (408) 441-0311
Fax: (+1) (408) 487-2600
 www.atmel.com

Atmel Asia Limited
 Unit 01-5 & 16, 19F
 BEA Tower, Millennium City 5
 418 Kwun Tong Road
 Kwun Tong, Kowloon
 HONG KONG
Tel: (+852) 2245-6100
Fax: (+852) 2722-1369

Atmel Munich GmbH
 Business Campus
 Parking 4
 D-85748 Garching b. Munich
 GERMANY
Tel: (+49) 89-31970-0
Fax: (+49) 89-3194621

Atmel Japan G. K.
 16F Shin-Osaki Kangyo Bldg.
 1-6-4 Osaki, Shinagawa-ku
 Tokyo 141-0032
 JAPAN
Tel: (+81)(3) 6417-0030
Fax: (+81)(3) 6417-0370

© 2012 Atmel Corporation. All rights reserved. Rev.: 8804A-CRYPTO-E-US-1/12

Atmel®, Atmel logo and combinations thereof, and others are registered trademarks or trademarks of Atmel Corporation or its subsidiaries. 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Atmel:](#)

[AT88CK101STK3](#) [ATCRYPTOAUTHXPLAINED](#)