



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



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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>	

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