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** • Single socket kit • 8-lead SOIC package • AVR base board • Supports single wire, I²C, or SPI interfaces	
	AT88CK109STK8 • Dual socket kit • 8-lead SOIC package • AVR base board • Supports single wire or I²C interfaces	
	ATAVRSECURITYX • Soldered on devices • Add-on board for the Atmel AVR Xplained series board • ASF library support	

Atmel Related Devices	Atmel Development Kits	Products
ATSHA204	**AT88CK101STK3** • Single socket kit • 3-lead SOT23 package • AVR base board • Supports single wire interface	
	AT88CK109STK3 • 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 Crypto-Authentication devices. The kits include an Atmel AVR microcontroller that allows engineers, developers, and decision makers the ability to program and evaluate the CryptoAuthenticaion devices using the provided Atmel Crypto Evaluation Studio (ACES) environment.

Atmel Related Devices	Atmel Evaluation Kits	Products
ATSHA204 ⟶	**AT88CK454BLACK**	
ATAES132 ⟶	**AT88CK427GREEN**	

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