

CryptoAuth Xplained Pro Version B. ★

Part Number: ATCRYPTOAUTH-XPRO-B

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CryptoAuth XPRO-B evaluation and development kit is an add-on board to the XplainedPro evaluation platforms to support the ATSHA204A, ATAES132A, ATECC508A and ATECC608A in embedded design applications. CryptoAuth XPRO-B Pro has been developed to allow fast system prototyping within the Xplained and XplainedPro evaluation environment. This kit gives engineers, developers, and decision makers a tool to understand the device architecture and its uses for product authentication, confidential file protection, perform two-factor logons, or prevent software piracy. Complete source code for the CryptoAuthentication devices is available in ASF (Software Framework). Schematics, Gerber files, and a bill of materials are also available.





Features

- Multiple CryptoAuthentication devices
 - **ATECC508A** - Symmetric/Assymmetric Key storage and Cryptographic Coprocessor
 - **ATECC608A** - Symmetric/Assymmetric Key storage and Cryptographic Coprocessor with enhancements for secure boot and secure connectivity
 - **ATSHA204A** - Symmetric Key storage and Cryptographic Coprocessor
 - **ATAES132A** - 32 Kb High Security Serial EEPROM Memory with AES-128 Cryptographic AES-CCM engine.
- Atmel Studio Kit ID Detection circuitry
- Location for Optional XPRO extension header.

Documentation & Software

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AppNotes	Last Updated	Size	
★ AN_8953 - ATECC108A/508A Factory Default Test Data	2/19/2018 11:17:51 AM	629KB	
★ AN_8845 - ATSHA204A and ATECC508A Personalization Guide	12/11/2016 10:15:59 AM	298KB	
★ AN_8667 - Designing with CryptoAuthentication Client Devices	12/11/2016 10:05:47 AM	519KB	
★ AN_8984 - CryptoAuthLib: Driver Support for CryptoAuthentication Devices	12/10/2016 11:09:10 PM	846KB	
Documents	Last Updated	Size	
★ CryptoAuth-XPRO-B Design Documentation	11/14/2017 5:07:54 PM	2MB	
★ CryptoAuth- XPRO-B Gerber Files	11/14/2017 5:04:08 PM	303KB	

★ CryptoAuthentication ATAES132A Development Library	1/2/2017 10:53:49 PM	2MB	
SoftwareLibrary	Last Updated	Size	
★ CryptoAuthLib	6/15/2017 2:42:00 PM	0KB	



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