AT88CKECCROOT, AT88CKECCSIGNER, and AT88CKECCPROVISION

Atmel Security Provisioning Kits

QUICK START GUIDE



Introduction

The Atmel® Secure Provisioning Kits provide the hardware and software required to easily and securely create certificate chains for Atmel CryptoAuthentication™ devices. These certificates allow the CryptoAuthentication devices to operate in Public Key Infrastructure (PKI) systems.

The Atmel AT88CKECCROOT, AT88CKECCSIGNER, and AT88CKECCPROVISION Family of Kits provide hardware secured Certificate Authorities (CAs). The Root and Signer Module Utilities provide an easy to use click-through interface for configuring the CA modules.

The Atmel Secure Provisioning Library provides the software, examples, and documentation required to integrate ECC-based device provisioning into a production environment.

Features

- Atmel Secure Provisioning Utilities Steps
- Atmel Secure Provisioning Server Steps
- Atmel Secure Provisioning Production Library Steps

Atmel Secure Provisioning Utilities Steps

The following steps briefly describe how to setup the Root and Signer Modules. This is generally a one-time configuration that takes place during the design phase of a project that uses certificates with ECC CryptoAuthentication devices.

Step 1 Download the Atmel Secure Provisioning Utilities Setup File

Go to www.atmel.com/eccroot-sign and download the setup file below. "X.Y.Z" notes the file version.

```
SecureProvisioningUtilitiesSetup_X.Y.Z.exe
```

Step 2 Install the Atmel Secure Provisioning Utilities Software

There is an option of installing the Root Module Utility and/or the Signer Module Utility.

Step 3 Root Module Utility

1. Insert the Root Module from the AT88CKECCROOT OR AT88CKPROVISION Kit into any available USB port on the PC.
2. Launch ***Root Module Utility*** from the Microsoft Windows Start Menu.

   Select ***All Programs*** > ***Atmel Secure Products*** > ***Provisioning Kits*** > ***Root Module Utility***.
3. Follow the "AT88CKECCROOT Root Module Utility User Guide" for detailed instructions.

   Select ***All Programs*** > ***Atmel Secure Products*** > ***Provisioning Kits*** > ***Root Module Utility User's Guide***.

Step 4 Signer Module Utility

1. Insert the Signer Module from the AT88CKECCSIGNER OR AT88CKPROVISION Kit into any available USB port on the PC.
2. Insert a configured Root Module from the AT88CKECCROOT OR AT88CKPROVISION Kit into any available USB port on the PC.
3. Launch ***Signer Module Utility*** from the Microsoft Windows Start Menu.

   Select ***All Programs*** > ***Atmel Secure Products*** > ***Provisioning Kits*** > ***Signer Module Utility***.
4. Follow the "AT88CKECCSIGNER Signer Module Utility User Guide" for detailed instructions.

   Select ***All Programs*** > ***Atmel Secure Products*** > ***Provisioning Kits*** > ***Signer Module Utility User's Guide***.

Atmel Secure Provisioning Server Steps

The Provisioning Server manages configured Signer Modules (see Step 1 above) to provide certificates for ECC-based CryptoAuthentication devices being provisioned during production.

Step 1 Download the Atmel Secure Provisioning Server Setup File

Go to www.atmel.com/eccroot-sign and download the setup file below. "X.Y.Z" notes the file version.

`SecureProvisioningServerSetup_X.Y.Z.exe`

Step 2 Install the Atmel Secure Provisioning Server Software

1. Launch ***Secure Provisioning Server*** from the Microsoft Windows Start Menu.

   Select ***All Programs*** > ***Atmel Secure Products*** > ***Provisioning Server*** > ***Provisioning Server***.
2. Follow the "Provisioning Server User's Guide" for detailed instructions.

   Select ***All Programs*** > ***Atmel Secure Products*** > ***Provisioning Server*** > ***Provisioning Server User's Guide***.

Atmel Secure Provisioning Library Steps

Since each user's production environment may be different, the software for provisioning ECC-based CryptoAuthentication devices is provided as a simple C library for integration with a user's production software. This library comes with documentation and an example application to illustrate its use.

Step 1 Download the Atmel Secure Provisioning Library .Zip File

Go to www.atmel.com/eccroot-sign and download the .zip file below. "X.Y.Z" notes the file version.

`SecureProvisioningLibrary_X.Y.Z.zip`

Step 2 Follow the "Production Provisioning Guide Application Note" for detailed instructions.





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

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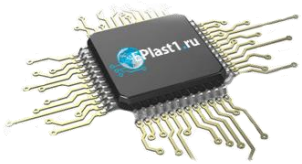
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Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.