Abstract

This Provisioning Testing Tool Guide for Android App intends to assist software developers that implement applications with the DA16200 / FC9000 SDK or for testing purposes. A certain degree of reader familiarity with programming environments, debugging tools and software engineering process in general is assumed.
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1 Terms and Definitions

TCP: Transmission Control Protocol
UDP: User Datagram Protocol
AP: Access Point

2 Overview

The Wi-Fi Provisioning Tool for Android is a test tool for D16200 / FC9000 Wi-Fi provisioning. A sample application and sample code is provided to assist with the implementation of Wi-Fi provisioning.

3 System Requirement

- Android OS Version: 5.0(Lollipop)+
- IDE: Android Studio 3.5.2
- Compile SDK Version: 29
- Language: Java
- Gradle Version: 3.5.3
4 Sequence Diagram for Wi-Fi Provisioning

![Sequence Diagram for Wi-Fi Provisioning](image)

Figure 1: System Diagram for Wi-Fi Provisioning
5 How to Test Provisioning

1. Use the Factory Reset or Switch button (depends on device option) to switch the DA16200 (FC9000) to AP Mode.

   **Press 5 seconds for a factory reset.**

2. Start the Dialog Provisioning Tool for Android and find DA16200.
3. Set the data for provisioning.

3) Start the scan to find Wi-Fi APs.

4. In the Wi-Fi Scan results, select a Wi-Fi AP for provisioning.

5. Fill in the Wi-Fi password.

6. Set up SNTP.
7. Set up Dynamic Power Management.

8. Click the START PROVISIONING button.

9. Wi-Fi provisioning is complete.
# Revision History

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1.0</td>
<td>15-May-2020</td>
<td>Preliminary DRAFT Release.</td>
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Provisioning Testing Tool for Android

Status Definitions

<table>
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<tr>
<th>Status</th>
<th>Definition</th>
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<tr>
<td>DRAFT</td>
<td>The content of this document is under review and subject to formal approval, which may result in modifications or additions.</td>
</tr>
<tr>
<td>APPROVED or unmarked</td>
<td>The content of this document has been approved for publication.</td>
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Contacting Dialog Semiconductor

United Kingdom (Headquarters)
Dialog Semiconductor (UK) LTD
Phone: +44 1793 757700

Germany
Dialog Semiconductor GmbH
Phone: +49 7021 805-0

The Netherlands
Dialog Semiconductor B.V.
Phone: +31 73 640 8822
Email: enquiry@diasemi.com

North America
Dialog Semiconductor Inc.
Phone: +1 408 845 8500

Japan
Dialog Semiconductor K. K.
Phone: +81 3 5769 5100

Taiwan
Dialog Semiconductor Taiwan
Phone: +886 281 786 222

Hong Kong
Dialog Semiconductor Hong Kong
Phone: +852 2607 4271

Korea
Dialog Semiconductor Korea
Phone: +82 2 3469 8200

China (Shenzhen)
Dialog Semiconductor China
Phone: +86 755 2981 3669

China (Shanghai)
Dialog Semiconductor China
Phone: +86 21 5424 9058

Web site: www.dialog-semiconductor.com

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