Cassia S1000 Software Development Kit User Guide

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Cassia S1000 Software Development Kit

INSTALLATION INSTRUCTION

Step One – Associate your Bluetooth router with the Cassia IoT Access Controller (AC)

- Connect your router and your PC to the same local network
- Install a port scanner like “Advanced IP Scanner” on your PC to find the IP address of your router, see Figure 1.

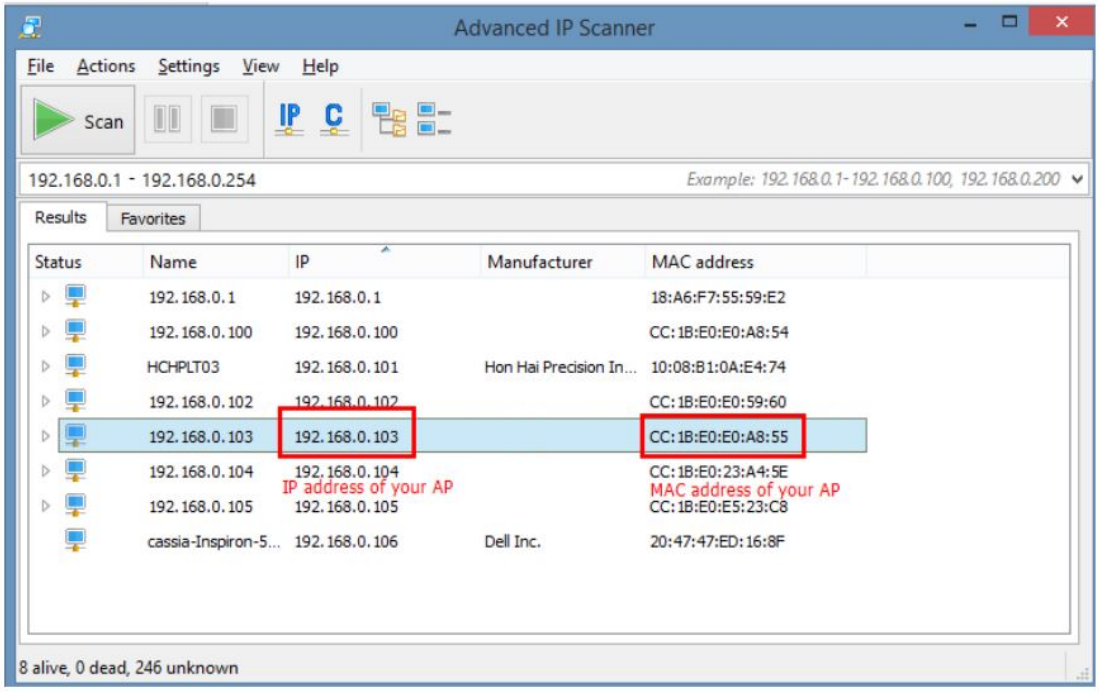


Figure 1 - Find the IP address of your router

- Access your Bluetooth router (AP) by entering its IP address in a web browser, see Figure 2.

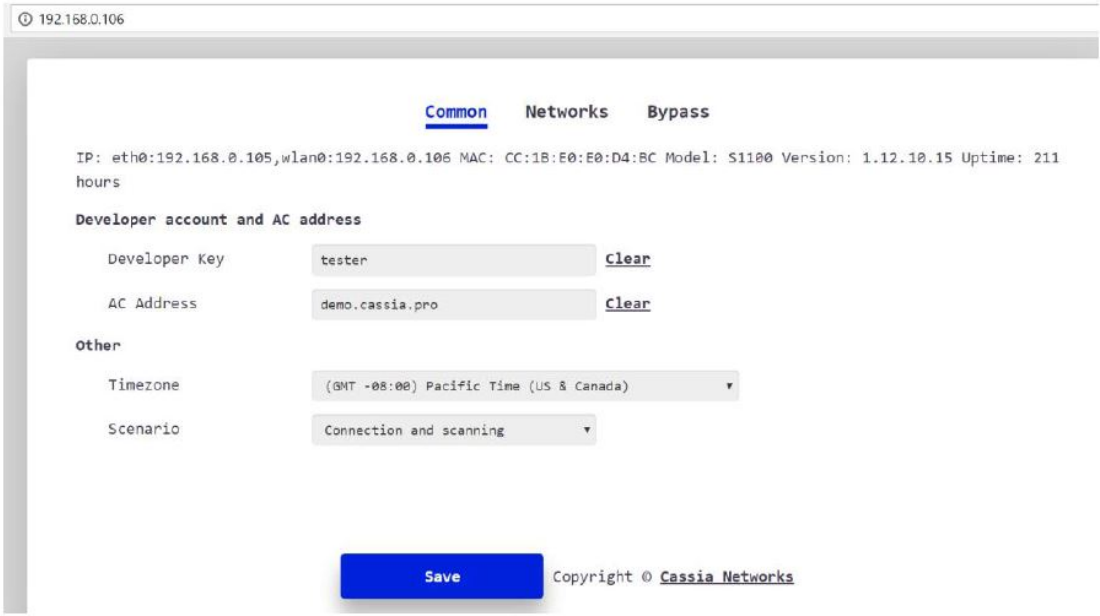


Figure 2 Access the router's configuration page

- In the Common section, please enter your Developer Key and AC Address.

Step Two – Access the Cassia IoT Access Controller (AC)

- Enter the IP address or domain name of your AC into the address bar. For example, **http://demo.cassia.pro**
- Input the user name and password, then click Login. See Figure 3 below.

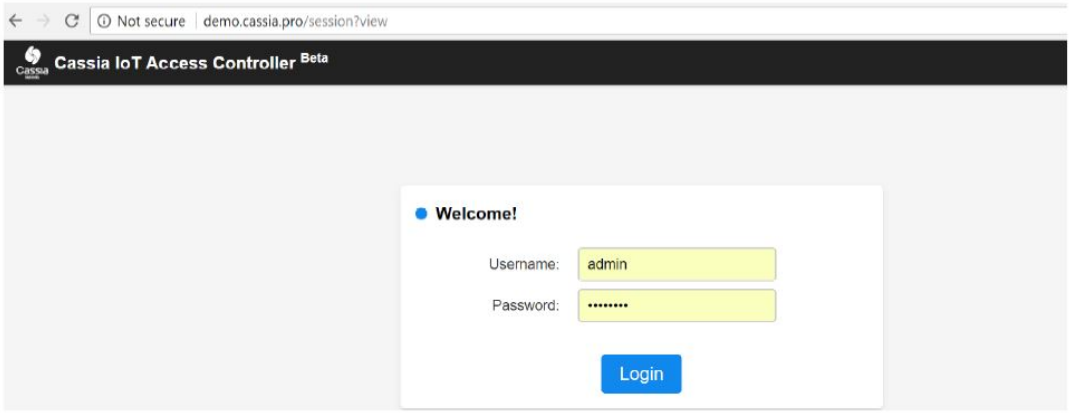


Figure 3 - Cassia AC login page

Step Three – Change the settings of Cassia IoT Access Controller (AC)

- Input your Developer Key, Developer Secret, and License as indicated in Figure 4 below.

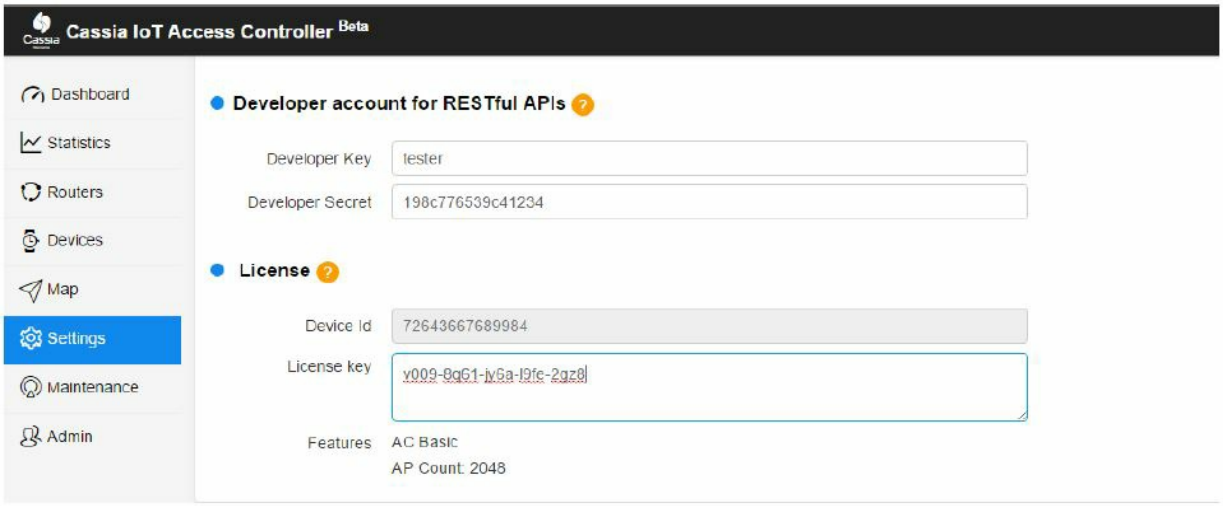


Figure 4: Input your developer key, secret, and license

Step Four – Add Bluetooth router (AP) to AC routers list

- Navigate to the Routers page, as shown in Figure 5 below.

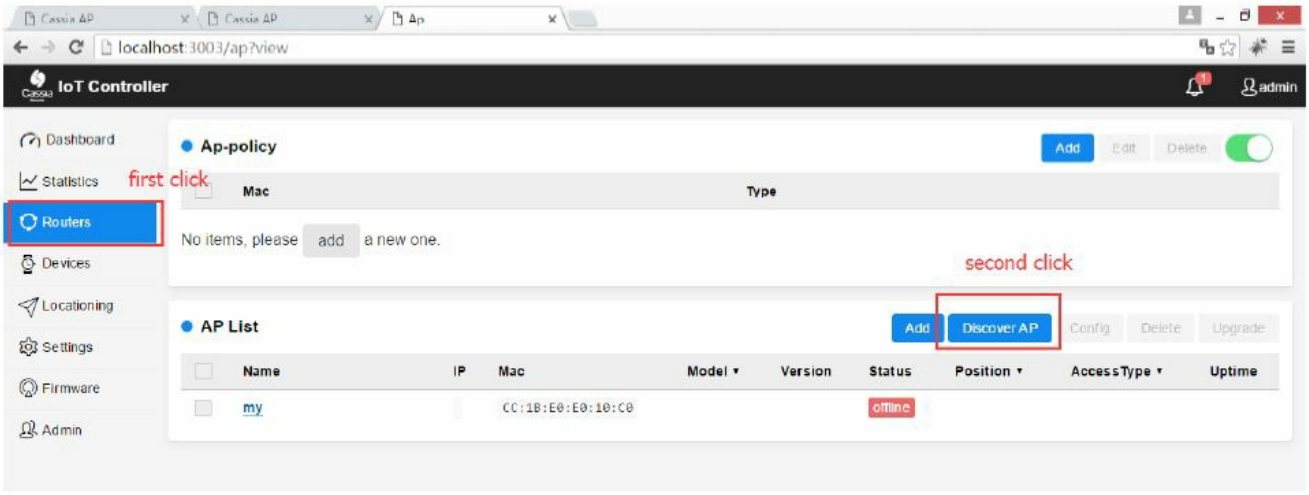


Figure 5: Add Bluetooth router to AC routers list

- Click “Routers -> Discover AP”, AC will identify all Bluetooth routers in its network and display them in the table.
- Check the routers you want to add, then click “Add” button.
  - **Note:** You can select multiple routers and add all of them to be managed under the AC, see Figure 6.

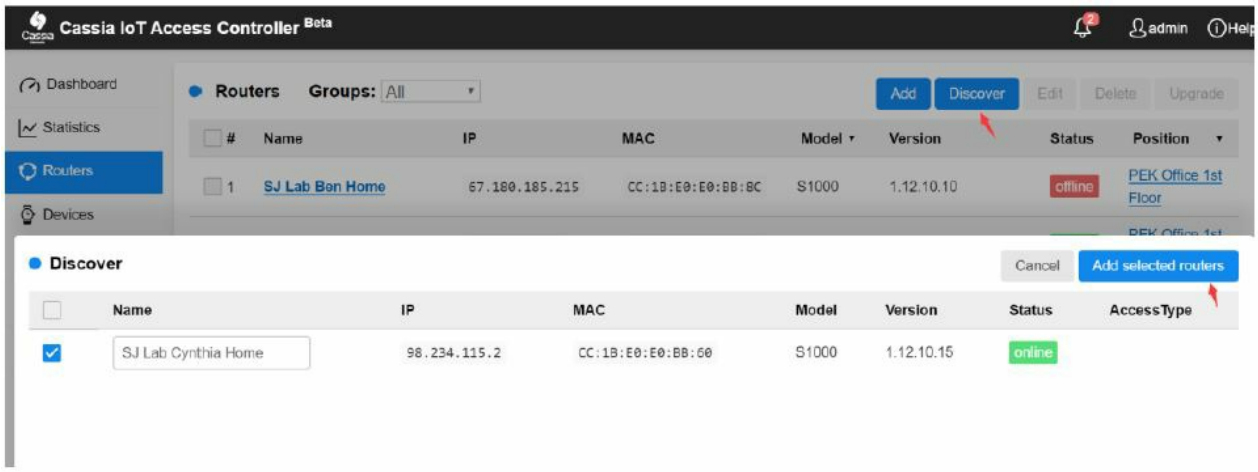


Figure 6: Discover your router and add it into the AC

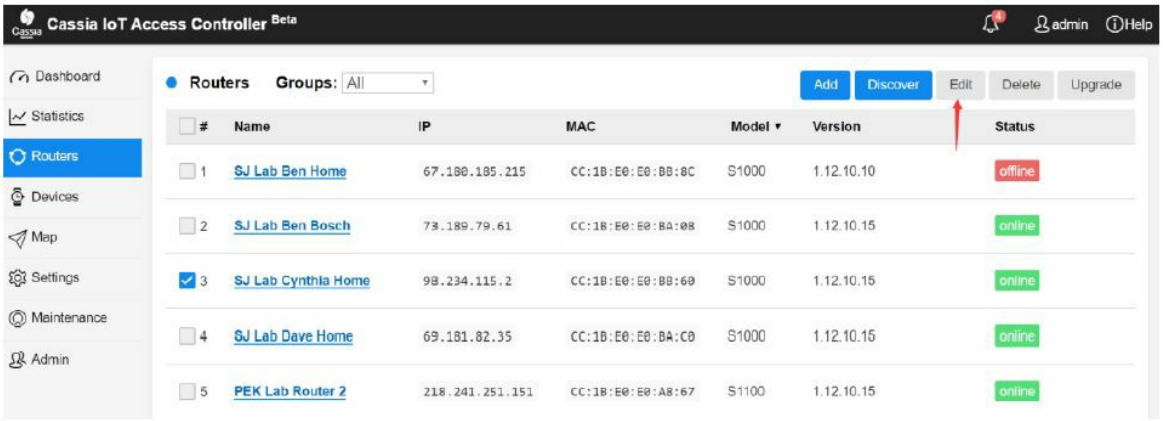
- User your router’s MAC address to identify it on the list of discovered devices.

Note: Your router's MAC address is located on the bottom of the router, as noted in Figure 7 below.

Figure 7: Cassia S1000 router's MAC address

Step Five – Configure the Bluetooth Router (AP)

- To configure a router, check the checkbox next to the desired router and click the Edit button as seen on Figure 8.



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- Locate the Common Settings tab as shown in Figure 9 below to set Developer key.

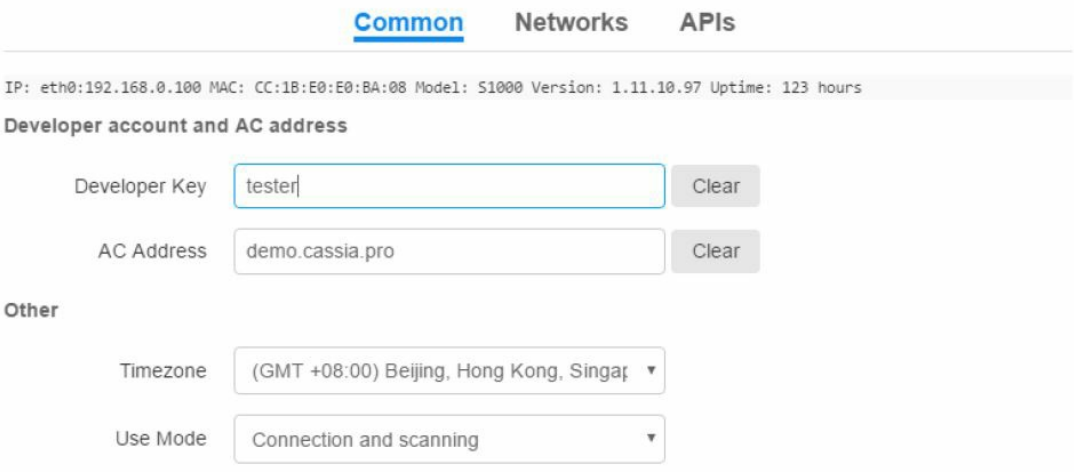

Figure 9: Set Developer Key on your Router

- Make sure to enter the same Developer Key as your AC. If the AC Address field is empty, please enter your AC

domain name or IP address, for example, demo.cassia.pro.

- Configure network settings from the Networks tab

CONNECTION OPTIONS – The Cassia Bluetooth Router supports the following networking uplinks:

- Wired (Ethernet) – you can set the router to use a static IP address or DHCP
- Wireless (Wi-Fi) – enter your Wi-Fi SSID and password, then click Save. The router will go offline briefly and then come back online.
- 3G/4G dongle – Cassia currently supports two cellular dongles: ZTE MF823 in China and AT&T AirCard 313U in the US

Important: When two or more network connections are activated, you can set priority levels for the networks. By default, the priority is Wired > Wireless > Cellular (3G/4G).

Step Six – Upgrade the router

- Upload firmware image to AC
- Navigate to Firmware on side navigation menu and click “Add from Local” button. See Figure 10 below.

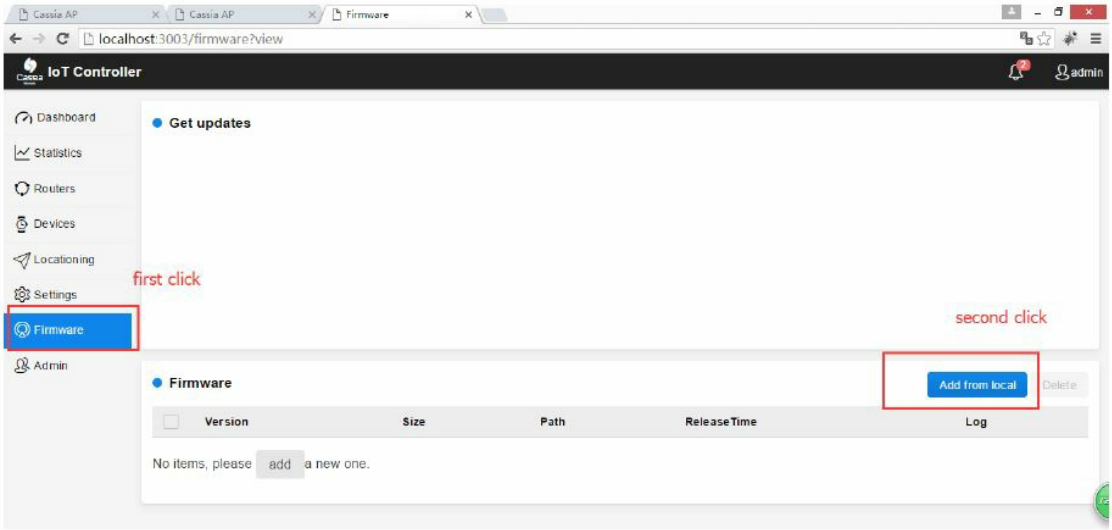

Figure 10: Upload firmware to AC

- From there, select a firmware image from your PC and upload it to the AC.
- Use AC to upgrade router(s)
- Navigate to Routers on side navigation menu, select the router(s) that need to be upgraded, and click the Upgrade button. See Figure 11.

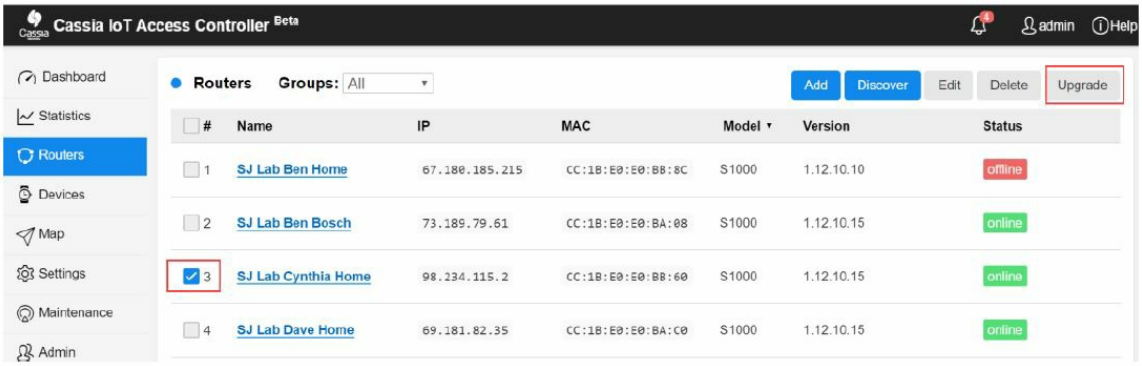

Figure 11: Upgrade a router

- From the text box, choose a Firmware version you want to upgrade to, then click OK. See figure 12 below.

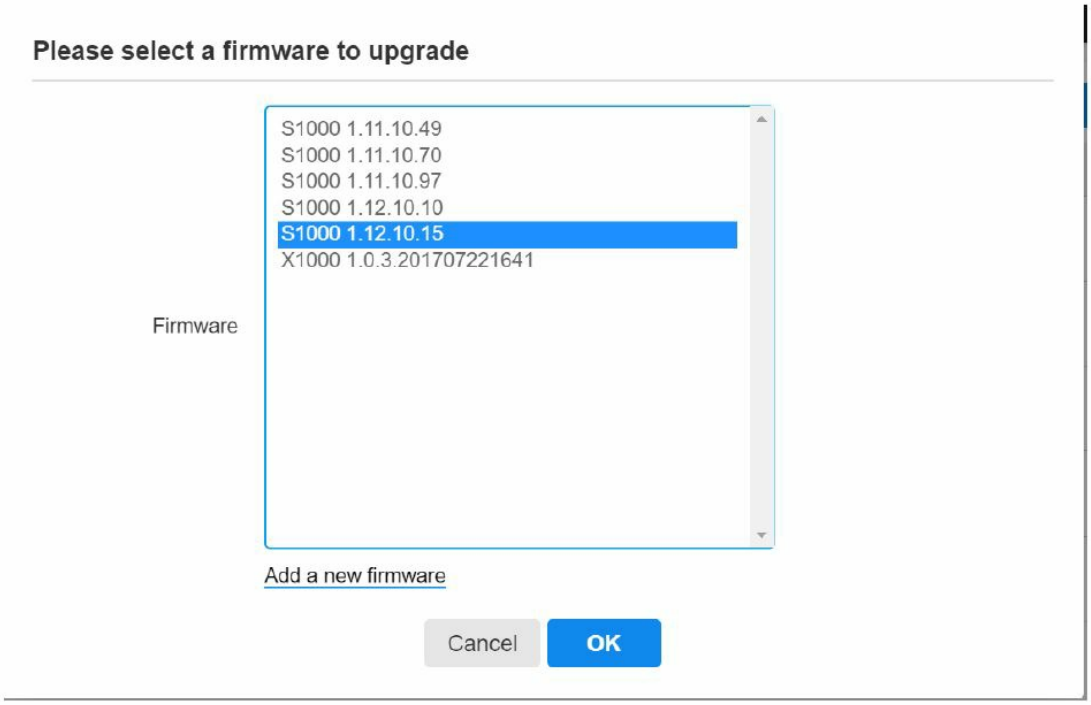

Figure 12: Select a firmware version and upgrade the router

- The AC will finish the upgrade for all of the routers you have selected.
  - For more questions, please contact **support@cassianetworks.com**.
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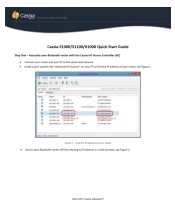	Cassia S1000 Software Development Kit [pdf] User Guide S1000 Software Development Kit, S1000, Software Development Kit, Development Kit

References

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Manuals+,