

How to install R502 readers on Linux

(Example for Ubuntu/Debian systems).

1. Open a root terminal window; you need to have administrator rights.

Get and install the libusb library with the apt-get command:

apt-get install libusb-dev libusb++-0.1-4c2

Check the installation: You shall find the library libusb.so under the directory /usr/lib/

2. Download and install the libccid package:

apt-get install libccid

3. Download and install the pscd-lite package:

apt-get install pcscd

4. Check that the pcscd service is running:

In the terminal console, run the command `ps -A`.

You should find a "pcscd" process running in the list displayed

Run pcscd in terminal

5. Download and install libpcsc-lite1:

apt-get install libpcsc-lite1

6. Download and install libpcsc-lite-dev:

apt-get install libpcsc-lite-dev

7. Check whether the R502 reader is detected:

your_system_name:/tmp# **lsusb**

Bus 001 Device 002: ID 096e:0608

8. Use root to run "install script":

\$ sh install.sh or \$ bash install.sh

9. After run "install script", then insert reader and start "pcscd" service.

Run "pcscdtest" command to do test

Like below:

pcscd -adf //run pcscd service, for parameter, you can using "man pcscd" to get more helps
pcscdtest

10. To develop application based on FEITIAN R502, check below:

To develop your own application, just follow PCSC Lite APIs

http://pcsclite.alioth.debian.org/api/group_API.html

For the test demo application, you can found in source code which named "pcscctest"

https://alioth.debian.org/frs/?group_id=30105