

Adding Omnikey Cardman 3121 USB to Ubuntu or Debian

Posted on [November 25, 2012](#) by [joe6915](#)

First You can Buy Omnikey From [Here](#)

Type in the terminal window:

```
apt-get install pcscd  
apt-get install pcsc-tools
```

When prompted to install press Y.

Grab the Omnikey Drivers from here

32 bit: <http://www.hidglobal.com/drivers/19363>

64 bit:

Grab the CCID version. Unzip it rename the folder to omnikey and ftp the folder it to the /home/cccam' folder

Type in the terminal window:

```
cd /home/cccam/omnikey/  
chmod 755 install  
./install
```

```
Installing HID Global OMNIKEY CCID Smartcard reader driver ...  
  
PCSC-Lite found: /usr/sbin/pcscd  
Copying ifdokccid_lnx_i686-3.9.0.bundle to  
/usr/lib/pcsc/drivers ...  
  
Installation finished!
```

Your Omnikey card reader is now installed and working....

Return to root directory and scan the card in the reader:

```
cd
```

```
pcsc_scan
```

You should now get something like this:

```
PC/SC device scanner
V 1.4.23 (c) 2001-2011, Ludovic Rousseau <ludovic.rousseau@free.fr>
Compiled with PC/SC lite version: 1.8.11

Using reader plug'n play mechanism
Scanning present readers...
0: OMNIKEY AG CardMan 3121 00 00

Fri May 29 00:52:47 2015
Reader 0: OMNIKEY AG CardMan 3121 00 00
  Card state: Card inserted,
  ATR: 3B F7 11 00 01 40 96 70 70 0A 0E 6C B6 D6

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+ TS = 3B --> Direct Convention
+ T0 = F7, Y(1): 1111, K: 7 (historical bytes)
  TA(1) = 11 --> Fi=372, Di=1, 372 cycles/ETU
    10752 bits/s at 4 MHz, fMax for Fi = 5 MHz => 13440 bits/s
  TB(1) = 00 --> VPP is not electrically connected
  TC(1) = 01 --> Extra guard time: 1
  TD(1) = 40 --> Y(i+1) = 0100, Protocol T = 0
-----
  TC(2) = 96 --> Work waiting time: 960 x 150 x (Fi/F)
+ Historical bytes: 70 70 0A 0E 6C B6 D6
  Category indicator byte: 70 (proprietary format)

Possibly identified card (using /usr/share/pcsc/smartcard_list.txt):
3B F7 11 00 01 40 96 70 70 0A 0E 6C B6 D6
    TopUp TV NagraVision viewing card
```

Well, not quite, it's a Seca card...

If the card is removed:

```
Reader 0: OMNIKEY AG CardMan 3121 00 00
Card state: Card removed,
```

If the card is inserted incorrectly:

```
Reader 0: OMNIKEY AG CardMan 3121 00 00
Card state: Card inserted, Unresponsive card,
```

Another (Conax) card:

```
Reader 0: OMNIKEY AG CardMan 3121 00 00
Card state: Card inserted,
ATR: 3B 24 00 30 42 30 30

ATR: 3B 24 00 30 42 30 30
+ TS = 3B --> Direct Convention
+ T0 = 24, Y(1): 0010, K: 4 (historical bytes)
  TB(1) = 00 --> VPP is not electrically connected
+ Historical bytes: 30 42 30 30
  Category indicator byte: 30 (proprietary format)

Possibly identified card (using /usr/share/pcsc/smartcard_list.txt):
3B 24 00 30 42 30 30
    ComHem Digital-TV smartcard (Sweden)
    TNK Telewizja Na KartÄ (Poland) - Conditional access system Conax
(Norway)
    http://telewizjanakarte.pl/
```

Exit with Ctrl-C

The [reader] in oscam.server has the following parameters:

```
protocol      = pcsc
device        = 0
```

The rest is card dependent.