



# How to Link Linux Library

--- UniKey Linux Support

SecuTech Solution Inc.

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## Background

SecuTech Solution Inc. is a market oriented software copy-protection dongle vendor, dedicated in providing today's software development industry with the most technologically advanced and simple-to-use products to protect intellectual property.

Based on our professional analysis, 90% of problems faced by end-users is "dongle not found" type problems. In a response to decrease the burden of software vendors dealing with this type of unwanted problem SecuTech have developed a "driverless" dongle. Our Unikey dongle requires no driver interface to be installed - it is completely "plug and play without a driver". Never again will the software vendor have to respond to the common problem of "dongle not found" – resulting in less tech support time for the dongle and hence cost savings.

## UniKey Linux Support

Unikey works as a HID (human interface device) in Linux. You need not compile a kernel driver, and only linking your application with the UniKey Linux library is required. UniKey.a is the library for C/C++. It provides full functional UniKey APIs and a sample is provided to show how to call UniKey dongles.

Since UniKey is a total HID device, it requires the hid module to be loaded in the operating system. Please use "lsmod | grep hid" to check if the HID module is loaded. If not, please call "modprobe hid" to load the module. You can also call "cat /proc/bus/usb/devices" to check if the UniKey is loaded as well.

Note: Only kernel 2.6 supports full functions of the HID. So UniKey works well under kernel 2.6. Please update the kernel if necessary in order to make UniKey work.

## Link Linux Library with GCC

To link UniKey.a with your application is simple, just call

```
Gcc -o output yourapp.o UniKey.a
```

Please ensure the file is in the correct path.



## About SecuTech Solution Inc.

SecuTech Solution Inc, based in Canada, specializing in software license management business systems, is a target market oriented organization with strong technical support and is internationally focused in providing cutting-edge technological solutions in the fields of the protection of intellectual property.

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