NITGEN biometric solutions

NITGEN USB Device Driver for Linux Installation Guide

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Document Version History

Version	Date	Comments
1.00	24-OCT-2004	Initial Release
1.01	26-NOV-2004	version modify
1.02	29-NOV-2007	Added device
1.03	08-JAN-2008	version modify
1.04	08-MAY-2008	version modify & Added device
1.05	20-JUN-2008	version modify
1.06	29-JAN-2009	version modify
1.07	05-JUN-2009	Added device

1. Overview

This Document guides NITGEN USB Fingkey Hamster, NITGEN USB Fingkey Hamster II and NITGEN USB eNBioScan-F device driver install on your Linux system.

2. System

2.1 System Requirement

item	Recommendation
CPU	Intel Pentium or higher / Intel Pentium 4 2.0G or higher (HFDU05/07)
RAM	128M or higher / 512M or higher (HFDU05/07)
kernel	Linux kernel 2.6 higher
USB	USB 1.1 / 2.0 : HFDU01/04, HFDU11/14 USB 2.0 : HFDU05/07
Device	NITGEN USB Fingkey Hamster (HFDU01/HFDU04) / NITGEN USB Fingkey Hamster II(HFDU11/HFDU14) / NITGEN USB eNBioScan-F (HFDU05/07)

3. Installation

3.1 NITGEN USB Fingkey Hamster

    3.1.1 Package File Name

     - VenusDrv-1.0.1-7.tar.gz : NITGEN USB Fingkey Hamster(HFDU01/HFDU04) for Linux

    3.1.2 How to install

```
]#tar -zxvf VenusDrv-1.0.1-7.tar.gz
]#cd VenusDrv-1.0.1-7
]#cd [gcc3.3 or gcc4.0]
]#./CreateModule
]#./install.sh
```

    3.1.3 Folder Information

Venus-1.0.1-7.tar.gz			
File name	Directory	Description	Attribute[1]
VenusLib.so	/lib	Device Driver library used in eNBSP SDK for Linux	755
VenusDrv.ko	/lib/modules/$kernel-version/kernel/drivers/usb/misc/	NITGEN USB Fingkey Hamster Driver Module	644
VenusDrv.h	/usr/include/linux/	Driver Module header	644
VenusDrv.conf	/etc/	Device configuration value	644
Device node	/dev/nitgen0 /dev/nitgen1 /dev/nitgen2 /dev/nitgen3 /dev/nitgen4 /dev/nitgen5 /dev/nitgen6 /dev/nitgen7	Create nodes for the device. Character device node.	

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[1] Default attribute value

3.2 NITGEN USB Fingkey Hamster II

    3.2.1 Package File Name

     - ngstardrv-1.0.0-3.tar.gz : NITGEN USB Fingkey Hamster II(HFDU11/HFDU14) for Linux

    3.2.2 How to install

```
]#tar -zxvf ngstardrv-1.0.0-3.tar.gz
]#cd ngstardrv-1.0.0-3
]#cd [gcc3.3 or gcc4.0]
]#./CreateModule
]#./install.sh
```

    3.2.3 Folder Information

ngstardrv-1.0.0-3.tar.gz			
File name	Directory	Description	Attribute[1]
ngstarlib.so	/lib	Device Driver library used in eNBSP SDK for Linux	755
ngstardrv.ko	/lib/modules/$kernel-version/kernel/drivers/usb/misc/	NITGEN USB Fingkey Hamster II Driver Module	644
ngstardrv.h	/usr/include/linux/	Driver Module header	644
ngstardrv.conf	/etc/	Device configuration value	644
Device node	/dev/ngstar0 /dev/ngstar1 /dev/ngstar2 /dev/ngstar3 /dev/ngstar4 /dev/ngstar5 /dev/ngstar6 /dev/ngstar7	Create nodes for the device. Character device node.	

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[1] Default attribute value

3.3 NITGEN USB eNBioScan-F

3.3.1 Package File Name

- nfrd05rfDrv-1.0.1-1.tar.gz : NITGEN USB eNBioScan-F(HFDU05/07) for Linux

3.3.2 How to install

```
]#tar -zxvf nfrd05rfDrv-1.0.1-1.tar.gz
]#cd nfrd05rfDrv-1.0.1-1
]#cd gcc4.0
]#./CreateModule05
]#./install.sh
```

3.3.3 Folder Information

nfrd05rf-1.0.1-1.tar.gz			
File name	Directory	Description	Attribute[1]
nfrd05rf.so	/lib	Device Driver library used in eNBSP SDK for Linux	755
nfrd05rf.ko	/lib/modules/$kernel-version/kernel/drivers/usb/misc/	NITGEN USB eNBioScan-F Driver Module	644
nfrd05rf.h	/usr/include/linux/	Driver Module header	644
nfrd05rf.conf	/etc/	Device configuration value	644
Device node	/dev/nfrd050 /dev/nfrd051 /dev/nfrd052 /dev/nfrd053 /dev/nfrd054 /dev/nfrd055 /dev/nfrd056 /dev/nfrd057	Create nodes for the device. Character device node.	

※ Attribute

Numeral	Character	Meaning
755	rwxr-xr-x	1. owner/group/other
666	rw-rw-rw-	2. r - read w - write
644	rw-r--r--	x - execute

[End Of Doc]

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[1] Default attribute value