



# **NITGEN USB Device Driver for Linux Installation Guide**

**Version 1.05  
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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. Overview

This Document guides NITGEN USB Fingkey Hamster 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)
RAM	128M or higher / 512M or higher (HFDU05)
kernel	Linux kernel 2.6 higher
USB	USB 1.1 / 2.0 : HFDU01/04 USB 2.0 : HFDU05
Device	NITGEN USB Fingkey Hamster (HFDU01/HFDU04) / NITGEN USB eNBioScan-F (HFDU05)

## 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 <sup>1)</sup>
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	666
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.	

<sup>1)</sup> Default attribute value

### 3.2 NITGEN USB eNBioScan-F

#### 3.2.1 Package File Name

- nfrd05rf-1.0.0-2.tar.gz : NITGEN USB eNBioScan-F(HFDU05) for Linux

#### 3.2.2 How to install

```
]#tar -zxvf nfrd05rf-1.0.0-2.tar.gz
]#cd nfrd05rf-1.0.0-2
]#cd [gcc3.3 or gcc4.0]
]#./CreateModule05
]#./install.sh
```

#### 3.2.3 Folder Information

nfrd05rf-1.0.0-2.tar.gz			
File name	Directory	Description	Attribute <sup>1)</sup>
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	666
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	rw-r--r--	1. owner/group/other 2. r - read w - write x - execute
666	rw-rw-rw-	
644	rw-r--r--	

[End Of Doc]

<sup>1)</sup> Default attribute value