



Installation of CaudalFin E1/T1/J1 (PRI) Cards

Quick Start Installation Guide

Key Features

Unique Features

- On Board DMA
- On Board Hardware HDLC
- 2U Form Factor
- Local Support
- Multiple Cards in Single Server
- Customer Friendly RMA Policy

Operating Systems

Linux Kernels : 2.4 to Latest

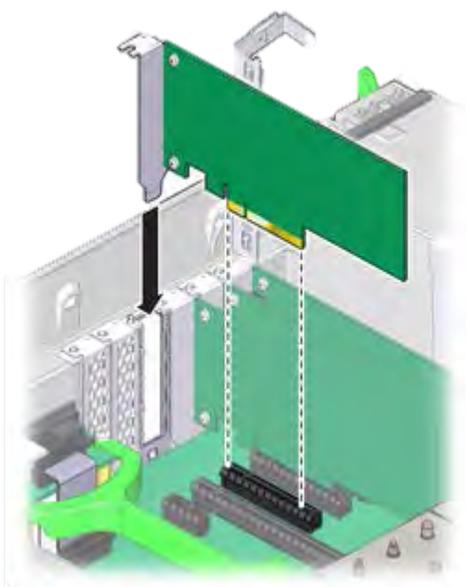
Voice Platforms

Asterisk : 1.4 to Latest

FreeSWITCH : >1.2.7



Hardware Installation



Software Installation

CaudalFin hardware, PCI/PCIe Line Cards requires Drivers and Libraries, which are not included in the standard Linux Kernel. CaudalFin hardware works on Linux platforms which has 2.4 and above kernels.

CaudalFin recommends CentOS, Debian, RedHat, and Ubuntu distributions of Linux.

***Note: Following commands are listed assuming that the user is using CentOS 5.7. Installation sequence does not vary from Distro to Distro though commands might be different from one another.*

After the installation of CentOS , follow the steps given below to install CaudalFin Dahdi drivers, LibPri and Asterisk.

Resolving Dependencies

```
$sudo yum install gcc gcc-c++ make wget subversion libxml2-devel ncurses-devel openssl-devel vim-enhanced
```

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Installation Sequence

1. CaudalFin DAHDI Drivers

Copy CaudalFin DAHDI Drivers to /usr/src folder

Extract the tar file using the following command

```
$tar -zxvf dahdi-linux-complete-X.X.X+X.X.X.tar.gz
```

Go to the Extracted Dahdi directory by using the following command

```
$cd dahdi-linux-complete-2.6.1+2.6.1
```

Use the following commands to install CaudalFin DAHDI drivers:

1. \$make clean
2. \$make distclean
3. \$make all
4. \$make install
4. \$make configure
5. \$ dahdi_genconf
6. \$dahdi_genconf modules

2. Installation of libpri

To install libpri first you have to download the latest version of LibPri. Substitute the version of libpri for the X.X in the command given bellow.

To download latest version of LibPri give the following command.

```
$ wget http://downloads.asterisk.org/pub/telephony/libpri/libpri-X.X-current.tar.gz
```

After downloading LibPri extract the LibPri tar file by the command given below.

```
$ tar -zxvf libpri-X.X-current.tar.gz
```

Install the LibPri by following the commands given below:

1. \$cd libpri-X.X/
2. \$make clean
3. \$make all
4. \$make install

3. Installation of Asterisk

After installing the latest version of dahdi and libpri download the latest release version of Asterisk, either 1.4.22 (or later) or 1.6.0.1 (or later).

Substitute the version of Asterisk for the X.X in the command given below.

Asterisk is available for download from: Index of /pub/telephony/asterisk or you can directly download from command line by giving the following command:

```
$wget http://downloads.asterisk.org/pub/telephony/asterisk/asterisk-X.X-current.tar.gz
```

After downloading asterisk, extract the asterisk tar file by giving following command.

```
$ tar -zxvf asterisk-X.X-current.tar.gz
```

To install asterisk give the following commands:

1. \$ cd asterisk-X.X/
2. \$ make clean
3. \$./configure
4. \$ make menuselect
5. \$ make
6. \$ make install
7. \$ make samples

4. Completing the Installation

1. \$ dahdi_genconf
2. \$ dahdi_genconf modules
3. \$ killall asterisk
4. \$ service dahdi stop
5. Service dahdi start
6. Asterisk
7. Asterisk -vvvvvr