



Damery Modular VOIP solutions for all sized cable operators

TECHNICAL HIGHLIGHTS

PSTN Interfaces

The analogue interfaces :

- Support for 6 FXS and/or FXO modules for a total of 24 lines

The digital interfaces :

- T1/E1 (24 Ds0/32Ds0)
- Support From 1 to 4 E1, T1, and J1 environments
- PRI (23+D/30B+D)

Codecs

- G711/G726/G723.1/G729
- iLBC/Speex/MP3

Phones

All types of end points like phone adapters, soft phones, and IP phones can be registered in the TELIP Soft switch.

Call Managements

Call transfer, call waiting, call parking, call spying, call recording, call queuing (Erlang) and access methods.

VoIP protocols

Fully-featured SIP lines with transparent feature operation

- IAX
- H323
- MCGP
- Skinny/SCCP
- UNISTIM

Call Services

- Make the call to the PSTN
- Make the call to Same Network
- Make the call via CATV Network

User Administration

- Personalized dial plan
- Voice Mail solutions
- Mail box
- Multi-port conferencing

User Admission

- Prepaid/Post-paid billing
- WEB based customer care and self provisioning
- Monitoring call detail in real time
- Accounting management
- Multi-level commissioning
- Report and invoicing
- CDR Management
- IVR support for balance and credit account time
- Real time AAA (Authorization, Authentication, Accounting)



What is TELIP?

“Telip” is an all-in-one Telephony-IP gateway including soft switch functions and management tools for all various IP telephony services.

“Telip” integrates call routing services, client management and a reporting platform to provide VoIP and circuit switch origination and termination.

In addition to IP capabilities, the “Telip” also offers the full range of legacy network interfaces and regulatory features.

“Telip” is a next-generation VoIP soft switch that provides a powerful platform for IP communication services.

System Architecture

The system architecture is built on Asterisk. “Telip” Gateway brings unprecedented levels of personalization, security and mobility to communications.

The voice communications between the cable network subscribers, traditional PRBX subscribers and local IP network subscribers are possible through Damery double play architecture including the following basic functional parts :

- DOCSIS CMTS embedded with configuration tools, able to manage the different qualities of services, bridging the calls from cable network to IP network.
- “Telip” Gateway, bridging the calls from IP network to external PRBX network.
- Cable internet-VoIP gateways.
- Standard cable modems associated with IP phones.
- IP phones.
- Analog phones.

Modular Concept

Damery VoIP solution based on “Telip” soft switch can be configured for different sizes of networks :

- Small Systems : 1 to 10 users
- Medium Systems : 10 to 50 users
- Large Systems : 50 to 500 users
- Very large Systems : 500 to 2000 users

Telip

Help for small and medium-sized operators to meet growing subscriber demand for local and long-distance voice calls via CATV network

Main Features

“Telip” enables the error free communications point to point between different devices :

- PC to Phone
- PC to PC
- IP Phone to Phone
- IP Device to Phone services
- EMTA to EMTA
- EMTA to internal & external phones

Monitoring & Configuration tools

“Telip” is an user friendly client management WEB application offering the following functions:

- Gateway configuration
- User administration
- Account administration
- Monitoring

Flexible Rate Plan & Maintenance

“Telip” supports unlimited number of rating plans :

- Prepaid/Postpaid billing
- WEB based reporting
- Fully customizable invoice report
- Comprehensive call history reports
- Call statistics Report
- DOCSIS EMTA configuration file building

Telip Advance Services

The following advance services are provided by “Telip” :

- Revenue report
- Export report to Excel, PDF format
- Trunk management
- Destination based billing
- DNIS based rating
- Flexible call costing by day of week and time of day
- Stepped or tiered dropping rates per call or per total usage
- Import rate tables directly from TXT files
- Export rate tables to CSV or TXT files

