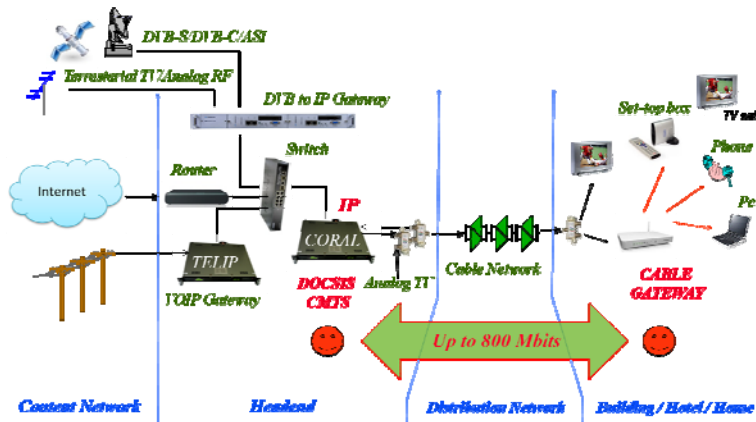


## Damery Triple Play Architecture Internet / VOIP / IPTV

**DAMERY IP COMMUNICATION PLATFORM BASED ON DOCSIS IS ABLE TO MEET THE BANDWIDTH DEMAND REQUIRED BY THE TRIPLE PLAY APPLICATIONS.**

Complete internet / VoIP/ IPTV solution based on standard Docsis.



The **DAMERY** Docsis system offers up to 800 Mbits bandwidth to the services :

- Live TV
- Video On Demand (VoD)
- Interactive TV (iTV).
- IP telephony
- Internet

Meet us to discuss with us your specific demands and how you can improve data transmission via your network. We are looking forward to meeting you.

### DAMERY CONTACT INFORMATION

Tel : +32 (0) 64 44 42 44     [sales@damery.be](mailto:sales@damery.be) [www.damery.be](http://www.damery.be)

## Damery S.A.

**DAMERY S.A.** is an international technology company serving cable operators, ISP, hospitality and commercial markets in more than 30 countries.

Headquartered in Charleroi in Belgium, the company is privately held and dedicated to develop the best Docsis based data transmission products, systems, and services.

The **DAMERY** team, mastering the basic DOCSIS 2.0 and 3.0 technologies, has more than 20 years of experience.



**DAMERY** competencies cover :

- IPTV via Docsis
- VoIP via Docsis
- Provisioning and Monitoring of Docsis 3.0/2.0/1.1 systems

**DAMERY** has a complete range of DOCSIS-3.0/2.0 CMTS, and "Provisioning-Monitoring", billing software products, focused mainly on small & medium sized Cable-Operators

"ATOLL", "OPAL", "CORAL", "ProMo" are all Damery brands developed 100% by the company and *can be integrated in any other Docsis environment.*

**DAMERY** concern is to give you the best services and the most competitive products.

## Internet Cable solutions focused on Small & Medium networks

CMTS Docsis 3.0 / 2.0 / 1.1 MODULAR, ALL IN ONE

**ECO-FRIENDLY**



**ATOLL-6U**  
6U X 19 inch X 220X  
Up to 64DS / 16 US

New Generation

40 MBPS TO 3200 MBPS

+  
DOCSIS 3.0 MAC  
SOFTWARE PLATFORM  
FOR SPECIFIC CMTS  
DESIGN

Damery Cable Modem Termination System (CMTS) family is a high-performance, scalable, modular, Eco-friendly and cost-effective solution for small and medium-sized cable networks.

A WEB application for provisioning and monitoring of cable devices, **On-Promo**, is embedded in all models of Damery CMTS.

Thanks to their modular architecture, they can be configured for very small networks and be upgraded to larger configurations.

**CORAL Pico** offers the smallest volume (1U, 310 X 220 mm) with 16DS / 4US, 800 Mbps, and DOCSIS 3.0. As light as a "chrome book", it is perfect for test laboratories, exhibitions, for training and for technical rooms.

**CORAL Tiny**, 16DS / 4US, 800 Mbps, DOCSIS 3.0 is a standard 19", 1U as light as a notebook.

**ATOLL - XL**, 19" rackable 6U, can be upgraded up to 64DS / 16US, 3 200 Mbps with the possibility to start with a smaller capacity like CORAL units.

We are keeping in production

**OPAL TINY**: 1DS / 2US, upgradable to 1DS / 4US, 50 Mbps, DOCSIS 2.0, for very low budget

## Damery Coax Wireless Architecture

The **Docsis-Hot spot** solution allows the transportation of Ethernet data at very high speed from the nearest CATV signal distribution pylon to the user home at a distance of more than 500 meters.

**DOCSIS +**



**Extension of your cable network**

**DOCSIS+:** Ethernet data will be transmitted from the optical node to the last street distribution pylon using DOCSIS technology. This transport will be made using the free space over the frequency spectrum without the need of a special technology or additional fibre link.

## VoIP Solution via Damery Docsis Systems

**HELP FOR SMALL AND MEDIUM-SIZED OPERATORS TO MEET GROWING SUBSCRIBER DEMAND FOR LOCAL AND LONG-DISTANCE VOICE COMMUNICATIONS VIA CATV NETWORK**

The **DAMERY** VoIP solution incorporates a soft switch, a billing server, VoIP hardware and a full technical integration.

The IP Phone gateway **TelIP** enables error free communications for

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

Support for FXS and/or FXO, for a total of 24 lines  
Support for T1/E1 (24 Ds0/32Ds0),  
Support From 1 to 4 E1, T1, and J1 environments



Codec's: G711/G726/G723.1/G729/ LBC/Speex/MP3

Call Managements: Call transfer, call waiting, call parking, call spying, call recording, call queuing (Erlang C)

VOIP protocols: Fully-featured SIP lines with transparent feature operation, IAX, H323, MCGP, Skinny /SCCP, UNISTIM

### User Administration

- Personalised dial plan
- Voice Mail solutions
- Mail box
- Multi-port conferencing
- Billing support
- Prepaid/Post paid Billing
- Web based customer care and self provisioning
- Accounting management
- Real time call detail Monitoring

Accounts Administration						
Account list						
Login	Lastname	Firstname	Number	Profile	Type	
1001	lastname1	firstname1	1001	sip-voicemail	SIP	
1002	lastname2	firstname2	1002	sip-voicemail	SIP	
1021	BOTA_102	TEL_1	1021	sip-voicemail	SIP	
1022	BOTA_102	TEL_2	1022	sip-voicemail	SIP	
1031	BOTA_103	TEL_1	1031	sip-voicemail	SIP	
1032	BOTA_103	TEL_2	1032	sip-voicemail	SIP	

## DAMERY special offer for integrated Provisioning & Monitoring Server

**PROBMO IS A REAL DAMERY PROMOTION OF THE BEST, THE OPTIMAL, THE LESS EXPENSIVE PROVISIONING & MONITORING SOFTWARE**

**ProBmo** is powerful and reliable software integrating all functions needed to operators to easily manage industry-standard DOCSIS systems.



Full function, integrated in a light small & low cost 1U unit.

- IPV6
- Docsis 3.0/2.0/1.1
- Compatible with any DOCSIS CMTS brand
- Full Provisioning tools for cable operators business support
- Basic Network Monitoring system
- Complete DOCSIS servers range

Perfectly suited for **all brands of CMTS** products, **ProBmo** is a low-cost, web-based application that excels in performance and flexibility.

The **ProBmo** server unit can simultaneously manage multiple CMTS's and thousands of cable modems. All subscribers' records are stored in databases.

This leads to a highly adaptable, cost-effective solution to stack several DOCSIS CMTS's.

Using the **ProBmo** server and 2 Jade CMTS units allows you to create a configuration 2DS/2US for the application requiring 80Mbps DS and 20Mbps upstream real bandwidth.

Using **ProBmo** server and 2 Opal CMTS units, it is possible to create a configuration 2DS/4US or 8US for the application requiring 80Mbps full duplex real bandwidth.

## Optimal, modular & cost effective Provisioning & Monitoring software

**PROMo SOFTWARE PROVIDES ALL FUNCTIONS  
YOU NEED TO OPERATE DOCSIS SYSTEMS**



### **SUBSCRIBER MANAGEMENT**

Intuitive tool allowing to access and manage all kind of information related to your subscribers



### **MONITORING SYSTEM**

Set of integrated tools for interactive cable network monitoring, diagnostic and customer support

**IPDR based subscriber bandwidth usage.**



### **FIRMWARE MAINTENANCE**

Network management tool that specially supports real time CM firmware upgrade



### **PROVISIONING SYSTEM**

Right operational tool for dynamic provisioning of DOCSIS 3.0/2.0/1.1 cable modems and packet Cable MTA devices, **IPV6**



### **DASH BOARDS**

At a glance Displays

*System ,CMTS RF parameters,CM RF Parameters,Traffic*

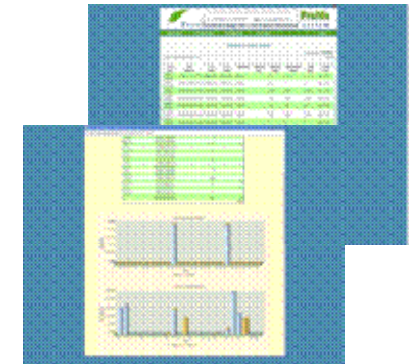
Promo software reduces the costs and time-to-market for triple-play or quad-play deployment.

**ProMo is a-cost effective, web-based application that excels in performance and flexibility**



## Damery subscriber bandwidth usage analyzer

**THE BANDWIDTH USAGE ANALYZER USES IPDR (INTERNET PROTOCOL DETAIL RECORDS). THE BANDWIDTH USAGE MEASUREMENT IS ACCURATE. WHAT YOU SEE IS WHAT IS REALLY USED BY SUBSCRIBER.**



The "**DAMERY Subscriber Bandwidth usage analyzer**" gives you the ability to accurately measure subscriber bandwidth usage by service flow and establish for each subscriber a daily and a monthly bandwidth usage profile.

The measure is accurate because it is based on the data collected via IPDR protocol, excluding from measured data the network protocol headers part. What is measured is really what the subscriber uses.

Knowledge of the usage profile by subscriber will allow you not only to apply right bandwidth management policies to your subscribers, but this will also allow adapting your network capability face to bandwidth demand.

The application allows fixing bandwidth usage limit to each subscriber and announcing when there is an overflow.