

Coax - Wireless

DAPHNE COAX - WIRELESS concept associated to wired infrastructure:
an economical last mile solution.

Increase revenues by providing wireless services to previously unreachable users.

DAPHNE coax – wireless 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+: 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.

The street pylon will be equipped with **DAPHNE** wireless gateway associated with **DAPHNE** hardened Topaz.

The new hardened Topaz features allow the modem to be used in line or end of line, to be powered from coaxial cable, to power the wireless gateway, and either to be fixed on the pylon or to be hung on the wire.

Recif is an all-in-one WiFi gateway system. It combines a radius-based account administration and a billing management. The clients connect by UAM (meaning universal access method).

That means that they power on their laptop, activate their WiFi card, launch their favourite web browser and are redirected to the login web page.

After being authenticated, they are simply sent back to their home page, granted an Internet connection

Furthermore, combined with latest wireless and security features, the solution protects either large or small wireless networks. Users do not need to install extra software.

The key benefits of the **coax - wireless** solution are :

- The limitation of the cable network interface to the distribution pylon
- The protection of the return path from house ingress
- The possibility to start with small CMTS, managing only service distribution gateways
- The creation of additional services to the subscribers, giving them the freedom to work everywhere they want without additional need of internal infrastructure
- This is a scalable solution
- Support "IP plug-and-play" function : users can get wirelessly connected without any IP setting changes on the computer
- Users can simply connect to the login page by opening the web browser
- The simple connection interface can reduce service provider training costs to the minimum

The solution also brings a great management capability to equipment, users and network services.

DOCSIS +



Extension of your cable network

- **User Authentication based on local RADIUS**
- **Remote system management**
- **User Administration**
- **PPTP & H.323 pass-through**
- **64/128-bit WEP : (Wired Equivalent Privacy)**
- **802.11 .b or g standard**
- **Post paid or Prepaid billing**



We aim higher & higher for your satisfaction

Specifications :

Wireless service gateway Specifications	
<p><u>RF</u></p> <p>Radio Data Rate 11, 5.5, 2 and 1 Mbps, Auto Fall-Back</p> <p>Range (open environment)</p> <p>11 Mbps –300m/450m (23 dBm output power) 5.5 Mbps –400m/600m (23 dBm output power) 2 Mbps – 500m/750m (23 dBm output power) 1 Mbps –800m/1200m (23 dBm output power)</p> <p>Regulation Certifications</p> <p>FCC Part 15/UL, ETSI 300/328/CE</p> <p>Compatibility</p> <p>Fully interoperable with IEEE802.11b compliant products</p> <p><u>802.11x Standard</u></p> <ul style="list-style-type: none">➤ IEEE 802.11b DSSS(DBPSK, DQPS, CCK)➤ IEEE 802.11g (Option) OFDM (64QAM, 16QAM, QPSK, BPSK)➤ Operational Channels for 802.11b, 802.11g 1-11 North America 1-13 Europe➤ RF Frequency Range 2412-2462 MHz (North America) 2412-2472 MHz (Europe) <p><u>Security</u></p> <ul style="list-style-type: none">➤ WEP (64 and 128-bit)➤ User Isolation Technology	<p><u>System Administration</u></p> <p>WEB application</p> <p>Remote access via Ethernet</p> <p>Networking Personalisation :</p> <ul style="list-style-type: none">➤ <u>For Ethernet:</u><ul style="list-style-type: none">○ Address○ Net mask○ Gateway (router address)➤ <u>For Wi-Fi:</u><ul style="list-style-type: none">○ Address○ Net mask○ ESSID○ Channel ID○ Mode○ (WEP) Encryption key <p>User administration</p> <p>Prepaid and postpaid billing</p> <p><u>Environmental parameters</u></p> <ul style="list-style-type: none">➤ Operating temperature -10°C ~ 55°C➤ Storage temperature -40°C ~ 85°C➤ Humidity 10% ~ 80% (non-condensing)➤ Storage Humidity 10% ~ <p><u>Power Supply Specifications</u></p> <p>Input voltage : Power sourcing over Ethernet :12V / 0.5A</p> <p><u>Dimensions</u> 205mm X 80mm X 170mm</p>

Sales and Service points

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