ITS Telecom

Convergence

CGW-P

A Scalable, High Performance ISDN PRI Gateway

- Up to 32 GSM/CDMA & UMTS* Channels

- Supports up to 30 simultaneous calls

- Cost saving Least Cost Routing management (LCR)

- Increase availability with Caller ID recognition

- Powerful cost saving features

- Enormous cost saving with fast ROI

- Superb audio quality

- Easy to install & manage

Corporate & Carrier's Solution
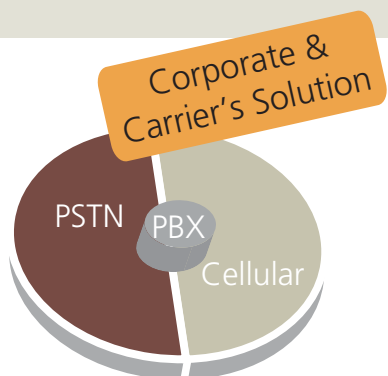
PSTN PBX Cellular

* Future option

Designed for carrier networks and corporate businesses with heavy fixed-to-mobile traffic, the CGW-P is a scalable, high performance, multifunctional Cellular Gateway.

The CGW-P enables corporate to saves on communication expanses by converting fixed-to-mobile calls into lower cost, mobile-to-mobile calls, to provide network access where land-line network is not present and to provide a reliable backup for existing landline telephony system.

For carrier networks, The CGW-P provides the ability to route all cellular calls via the carrier's network, increase the incoming calls volume entering the network by using IN (Intelligent Network) and the Gateway capabilities, and provide added value to the customers with new services offering.

The CGW- P modular design provides from 2 to 32 cellular channels with up to 30 cellular simultaneously calls. It can easily integrate with any existing PBX which has the PRI trunk interface.

Advanced features were designed to save cost and increase availability such as Least Cost Routing (LCR) which direct calls in the most economic route, SIM balancing tool and Caller ID that enables missed calls to return to the caller's extension.
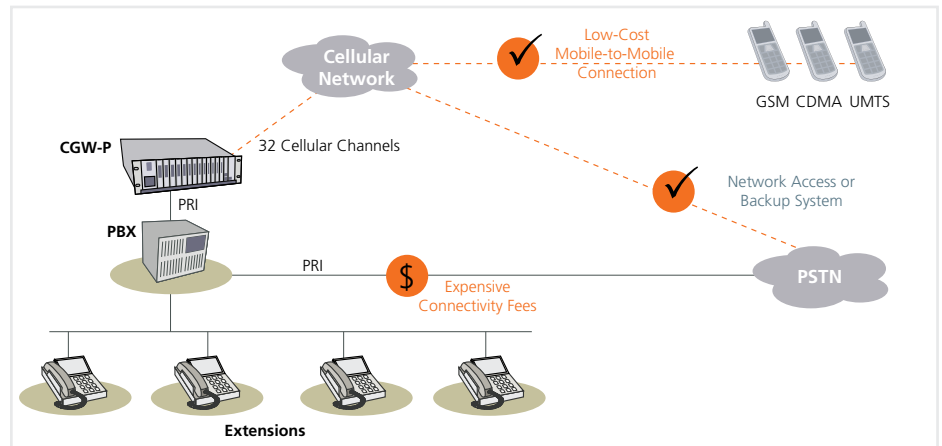
Digital

CGW-P

ISDN PRI / Cellular Gateway

Main Features

- Up to 4 SIM cards per cellular channel
- Cost saving Least Cost Routing table
- Remote CDR downloading utility
- Local / Remote management PC Utility & Terminal IP Maintenance
- System alarms: SMS and E-mail
- System status online monitoring
- Number portability support (optional)
- CLIP Routing
- Prepaid SIM card administration
- Cellular modules hot redundancy

Cost-effective connectivity through the ITS Telecom CGW-P

Perfect Solution for:

- Telecom operators
- System integrators
- From medium to large organizations
- And more...

Technical Specifications

System

1 PRI trunk (E1 / T1)

PRI NT/TE Master/Slave

Incoming & outgoing calls routing algorithm

Intelligent routing: Return mobile calls directly to the calling DDI (Direct-Dial-In)

Incoming call's CLIP Routing; fixed extension routing

Outgoing call's Least Cost Routing tables

SIM card's Prepaid capability (Prepaid time or Amount of calls)

Emergency call's handling

System functionality timer

Dialed number manipulation

Administration

System alarms: SMS and E-mail

Online monitoring

CDR: Remote CDR downloading utility

Remote IP/ local serial port

PRI & cellular channels grouping

Interface: 10/100 BaseT

Cellular

Type: GSM / CDMA / UMTS*

SIM cards per cellular channel: 4

Cellular channels: Up to 32- Hot swap support

SIM card code protection

Frequency range: 900/1800 MHz or 850/1900 MHz

Cellular Connectivity audio signaling

SIM card type: Small 3V

Antenna impedance: 50Ω

Signaling: European-wide ISDN signaling (ETSI recommendations I.431, Q.921, Q.931 and ETS standards 300 011, ETS 300 125, ETS 300 102-1 and ETS 300 156)

Hardware specification

Dimensions (HxWxD): 133*443*290mm / 5.24*17.6*11.42"

19" rack, 3U

Weight: 6.5Kg/ 14.33Lbs

Temperature Range: 0°C-45°C / 32°F-113°F

Maximum Relative Humidity: 95%

Power supply: 100-240VAC / 50-60Hz

Antennas: Directional- 7.5db, Omni- 2.5db

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