

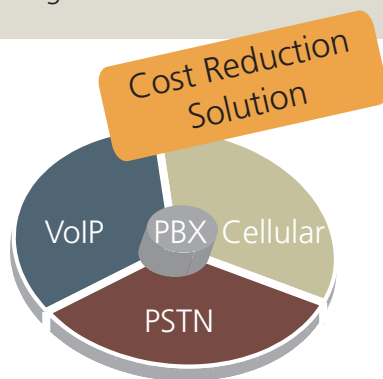


CGW-PX

Convergence of Cellular, PSTN & VoIP interfaces in one Box



- VoIP to Cellular & PRI interactivity
- Powerful PRI gateway with 32 GSM/CDMA Channels
- More than 120 simultaneous calls
- Enormous cost saving with fast ROI
- Superb audio quality
- Easy installation, no need to reconfigure the PBX



The CGW-PX provides a quad-centric connection in one high performance appliance, offering direct routing between VoIP and GSM/CDMA networks through the PRI connection. Adding the CGW-PX to the telecom network allows employees to make VoIP calls from their mobile phones and calls from an office extension to mobile phones or VoIP calls. Any combination in any direction is possible.

The CGW-PX determines the optimized routing available for your calls, mixing interfaces while using its advanced Least Cost Routing (LCR) tables to select the most cost-effective telephone connection offered on your network at the time of the call. Taking advantage of your VPN arrangements can bring you an enormous cost saving with ROI measured in months.

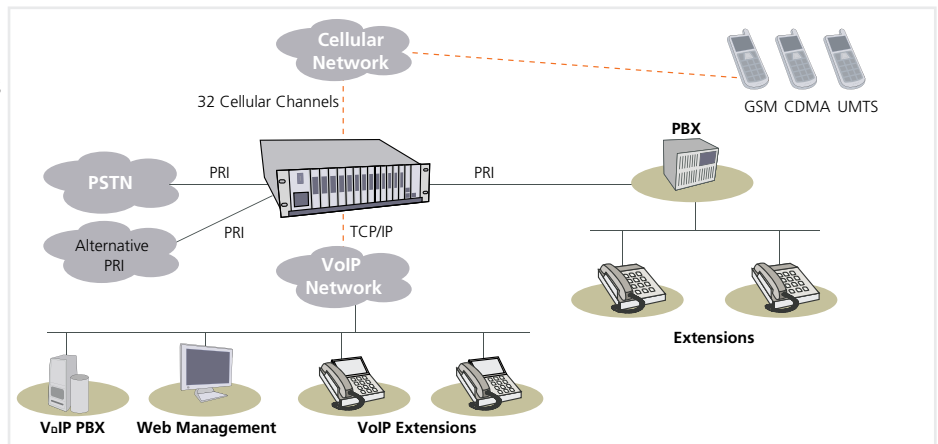
The CGW-PX is a scalable, high performance gateway with 4 PRI interfaces, up to 32 cellular channels and supports GSM, CDMA and UMTS* networks. Its inherent PRI cards eliminate the need to purchase an additional PRI card for the PBX and reconfiguration the PBX.

VoIP / Cellular

VoIP / PRI / Cellular Gateway

Main Features

- Embedded VoIP, PRI and Cellular interfaces
- Up to 32 cellular channels - Hot swap support
- 4 SIM cards per channel
- PRI switching
- Up to 4 PRI trunks
- Supports GSM, CDMA & UMTS* networks
- Cost saving Least Cost Routing table
- Remote CDR downloading utility
- Web-based management & control
- System alarms: SMS and E-mail
- System status online monitoring
- Number portability support (optional)
- CLIP Routing
- Prepaid SIM card administration
- User friendly GUI application



Convergence of Cellular, PSTN & VoIP interfaces in one solution

Technical Specifications

System

PRI trunks: Up to 4

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

Least Cost Routing

Incoming & outgoing calls control

Prepaid capability

PRI NT/TE Master/Slave

System functionality timer

Administration

System alarms: SMS and E-mail

Online monitoring

CDR: Remote CDR downloading utility

Administration: Remote IP/ web application/ local serial port

PRI & cellular channel grouping

VoIP

Voice signaling: SIP or H323

Voice codecs:
G.711, G.723.1, G.729 AB, G.726/G 727, NetCoder

Echo Canceler:
G.168 compliant 32, 64 msec echo tail 128 msec tail available with reduced channel capacity

Control protocols: MGCP or MEGACO

IP transport: RTP / RTCP per RFC 3550 / 3551 DTMF over RTP per RFC 2833

Fax: T38 compliant (real-time fax)

Interface: 10/100 BaseT

Digital PSTN protocols: CAS (T1 robbed bit, MFC/R2 numerous country variants; CCS - ISDN PRI: numerous country variants including ETSI, EURO ISDN, ANSI NI2, DMS, 5ESS, Japan INS1500

Cellular

Type: GSM / CDMA

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 or 5V

Antenna impedance: 50Ω

Signaling: European-wide ISDN signalling (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):
132.5*344*483mm / 52.1*135.4*190.1"

Weight: 8.5Kg/ 18.76Lbs

Temperature Range 0°C-50°C / 32°F-122°F

Maximum Relative Humidity: 95%

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

* Future option

I82001422 Ver.1



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