Cut your business phone costs

Connect your ISDN telephone system directly to GSM cellular networks

The CGW-I is a BRI Cellular Gateway that lets you call cellular numbers from your ISDN telephone system, benefiting from low business tariffs, bypassing your landline carrier and eliminating interconnection fees.

The CGW-I is your transparent and low cost solution for calls to GSM mobile phones:

- Fast ROI (Return On Investment)
- Available with 2 GSM channels
- Supports worldwide GSM frequencies (900/1800, 850/1900MHz)

Cellular Gateways
CGW-I: ISDN-BRI GSM Gateway

CGW-I Cellular Gateway

Office
Extension

PBX

Expensive Connection

CGW-I
Cellular Gateway

VPN or Low Business Tariff

PSTN
Network

Cellular
Network

Cellular
Phone

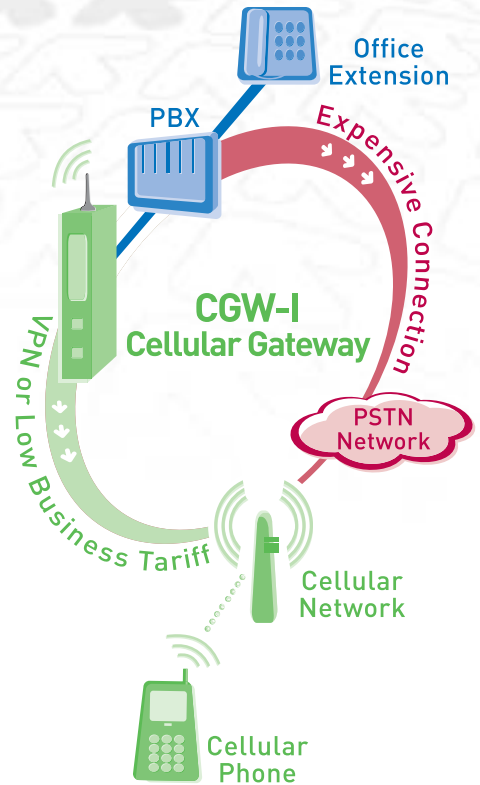## Incoming and Outgoing Call Features

- **Intelligent Routing** - Return up to 1,500 mobile calls directly to the calling Direct Dial-In (DDI). CGW-I stores the link between the dialing extension and the dialed cellular number. When a missed mobile call is returned, CGW-I recognizes the Caller ID and routes the caller to the dialer's extension.

- **MSN Routing** - Route incoming cellular calls to default Multi-Subscriber Number (MSN), such as a specific extension, Automated Attendant or Voice Mail system.

- **Call Barring** - Dedicate your SIM to handle only incoming calls, outgoing calls, or both.

- **Call Diversion** - Automatically reroute incoming calls to an alternate channel when SIM is busy.

- **Toll Restrictions** - Define which cellular operator prefixes to allow the CGW-I to call and which ones not to allow.

- **Redirect Calls** - Override Toll Restrictions and set up a cross-network connection.

- **Call Duration** - Limit the length of calls to protect you from connections that are accidentally left open.

System Management & Monitoring

- **Full Device Control** - Configure system parameters and view system status levels directly from your PC with included user-friendly Windows-based utility program.

- **Alarms** - Set thresholds to trigger selected SMS and E-mail alarms.

- **Statistics** - View accumulated time and bad reception levels for each SIM.

- **CDR** - Call Detail Recording log for up to 2,500 records.

- **Balance Call Distribution** - Evenly distribute call traffic sent to each SIM.

Configurable Controls & Maintenance

- **CLIP / CLIR** - Display or hide SIM card numbers using Calling Line Identification Presentation/Restriction setting.

- **SIM PIN Control** - Protect each SIM within the unit from unauthorized use if removed.

- **Network Lock** - Configure your CGW-I to work permanently with only a specific operator.

- **Roaming** - Allow calls to automatically connect to the strongest available signal or restrict them to a specific network operator.

- **Dialing Mode Support** - Overlap or En Block.

- **End of Dialing Signal** - Reduce the time required to connect a dialed number.

- **Gain Control** - Adjust volume levels for both incoming and outgoing calls on each channel.

System Specifications

- **2 Voice Channels:** Each with Integrated Cellular Module

- **Indicator LEDs:** LAN Status (Line and Active), Module Status

- **Built-in LCD:** Indicate Signal Strength, Operational Status and Cellular Operator Name to simplify maintenance.

- **ISDN Protocol Support:** EuroISDN (Standard, In Bound DTMF Dialing, France, Germany), 1TR6 (Germany)

- **PBX BRI Interfaces:** NT/TE, PtP/PtMP

- **Connectors:** RS-232, LAN, ISDN Interface, SMA antenna, Sync In, Power supply

- **Frequency Ranges:** 900/1800 MHz or 850/1900 MHz

- **SIM Card:** 3V (Plug-in, Small)

- **Receiver Sensitivity:** -104dBm

- **External Power Supply:**
  Input: 110VAC, 60Hz / 220VAC, 50Hz
  Output: 9VDC, 1.5Amp

- **Dimensions (HxWxD):** 21.5x4.3x18.5 cm/8.47x1.69x7.28 inch

- **Weight:** 0.96 kg / 2.12 lbs

- **Operating Temperature:** 0^oC-45^oC / 32^oF-113^oF

- **Relative Humidity:** 5-95%

Available Accessories

- **Wall mounting plate:**
  Hold 3 or 6 CGW-I units together

- **Wide range of antennas**
  Frequency: 800-1900MHz
  Impedance: 50Ω
  Cable Length: 3m/9.8ft

Increasing your business phone system performance
ITS Telecom is a leading provider of the most comprehensive range of top-quality peripheral solutions for business telecommunication systems on the world market. We are constantly developing innovative, feature-rich and cost effective products that promote your company's image and streamline needless expenses. Dedicated to improving the performance of small, medium and large organizations, ITS is a one-stop-shop for all your current and future business phone system needs.