



## Simply connect and save

Connect your telephone system directly to GSM cellular networks

The CGW-T & CGW-TS Cellular Gateways let you make cellular calls from your telephone system, eliminating unnecessary interconnection fees to your landline carrier.

The CGW-T & CGW-TS offer transparent and low cost solutions for calls to mobile phones:

- Fast ROI (Return On Investment)
- Integrated dual-band GSM module (900/1800, 850/1900MHz)
- Optional CDMA module (800 MHz)



**Cellular Gateways**  
**CGW-T/TS: Analog-GSM Gateways**

# CGW-T & CGW-TS

## Analog-GSM Cellular Gateways



CGW-TS

With 6 LEDs to indicate Signal Strength, Operational Status and Power

CGW-T



With Built-in LCD to indicate Signal Strength, Operational Status and Cellular Operator Name to simplify maintenance

### Incoming and Outgoing Call Features

- **Toll Restrictions** - Define which cellular operator prefixes to allow and which ones to restrict.
- **Call Duration** - Limit the length of calls to protect you from connections that are accidentally left open.

### System Management & Monitoring

- **DTMF Programming and Control** - Configure system parameters directly from a DTMF telephone connected directly to the unit.

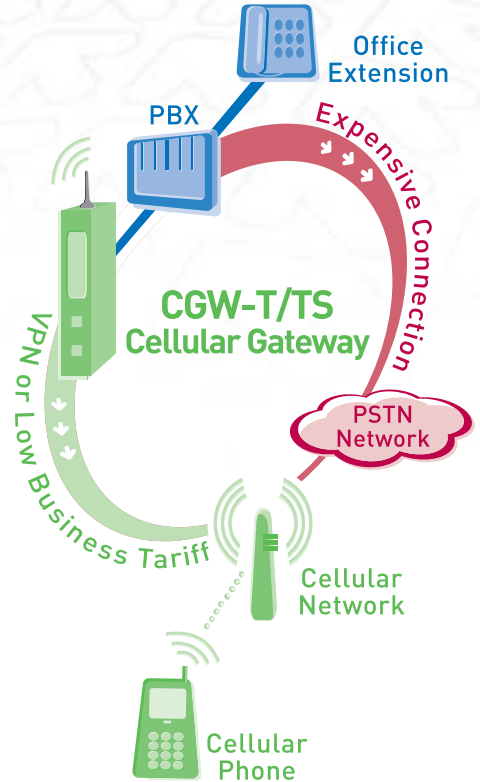
### Configurable Controls & Maintenance

- **CLIP / CLIR** - Display or hide SIM card number using Calling Line Identification Presentation/Restriction setting.
- **SIM PIN Control** - Protect the SIM within the CGW-T/TS from unauthorized use if removed.
- **Roaming** - Allow calls to automatically connect to the first available signal or restrict them to a specific network operator.
- **Gain Control** - Adjust high quality volume levels for both incoming and outgoing calls.
- **Reverse Polarity Support**

### Analog Trunk Interface Specifications

(Compatible with the analog trunk interface of the PBX)

- **Interface Type:** 2-wire, FXS
- **Connector Type:** RJ-11, 4/2
- **Off-hook AC Impedance :** 600
- **On-hook Line Voltage:** 48VDC  $\Omega$
- **Off-hook Line Current:** 25mA max.
- **Line Loop Resistance:** 800 max.
- **Dialing Tone Freq.:** 400Hz  $\Omega$
- **Dialing Type:** Tone (DTMF)
- **Ringing Voltage:** 48Vrms, 25Hz  $\pm 5\%$



### System Specifications

- **Choice of Integrated Cellular Module:**  
GSM Dual-band (Phase II): 900/1800 MHz or 850/1900 MHz  
CDMA: 800 MHz
- **SIM Card:** 3V (Plug in, Small)
- **Receiver Sensitivity:** -104dBm
- **External Power Supply:**  
Input: 110VAC, 60Hz / 220VAC, 50Hz  
Output: 9VDC, 800mA
- **Dimensions (HxWxD):**  
CGW-T: 213x123x43 mm / 8.4x4.8x1.7 inch  
CGW-TS: 160x145x30 mm / 6.3x5.7x1.2 inch
- **Weight:** CGW-T: 0.8 kg / 1.76 lbs; CGW-TS: 0.22 kg / 0.48 lbs
- **Operating Temperature:** 0°C-45°C / 32°F-113°F
- **Relative Humidity:** 5-95%
- **External Antenna (included):**  
Frequency: 800-1900MHz  
Impedance: 50  $\Omega$   
Connector Type: SMA (male)  
Cable Length: 3m/9.8ft



### Available Accessories

- **Wall mounting plate:**  
Hold 3 or 6 CGW-T units together
- **Wide range of antennas**



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