



**Global Calls  
Local Rates**

# EWC IP/GSM Gateway

*Economy through Technology*



## **Why include an EWC IP/GSM Gateway into your overall telephony solution?**

Landline to mobile phone calls are typically twice the cost of a mobile to mobile phone call. This is principally due to landline operators charging the phone users additional connection fees when calling a mobile phone number.

The EWC IP/GSM Gateway addresses this situation by directly enabling a connection to the mobile phone network and therefore eliminating the extra connection charges.

## **Fully Featured**

The EWC IP/GSM Gateway is not just about saving money on calls made to mobile phones.

The EWC IP/GSM Gateway has a number of advanced features:

- convert emails to SMS messages
- manage callbacks to further reduce call costs
- benefit from unmetered VoIP to VoIP calls

The EWC IP/GSM Gateway provides an immediate reduction in your monthly communications charges.

The EWC IP/GSM gateway simply connects your PBX directly to the public GSM network - avoiding the need to route calls to mobiles (cell-phones) over standard landlines.

Calls to mobile users are a major part of most business enterprise communications costs - such calls are typically double that of calls within the mobile (GSM) network).

As a stand-alone device the EWC IP/GSM Gateway may be installed into existing voice/telephony solutions without the need to reconfigure the main PBX.

The Gateway also allows you to take advantage of IP Telephony and the cost savings associated with VoIP technology. Connect to other VoIP enabled telephone systems and benefit from unmetered calls.

**True stackable GSM Gateway appliance**

**Return on investment typically within 12 months**

**From 4 to 64 voice channels**

**Compatible with all ISDN PBX's**

**Integrated SMS gateway**

**Full VoIP functionality**

**Web based management interface**

**Fully hosted options available**



# EWC Product Data Sheet

The EWC IP/GSM Gateway enables businesses to realise a rapid return on investment and reduce the overall spend on telecommunications.

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### Powerful and flexible Administration

The EWC IP/GSM Gateway incorporates an Administration Console accessible via Microsoft® Management Console. It is used to control and view GSM parameters:

- number of successful calls
- number of failed calls
- status of ports per module
- cell signal strength

The Gateway can be managed (RAS) via ISDN access.

### Hardware

The EWC IP/GSM Gateway is a fully featured hardware device. There are no dependencies on Operating System, application version or capacity and is easily expanded by the addition of further devices.

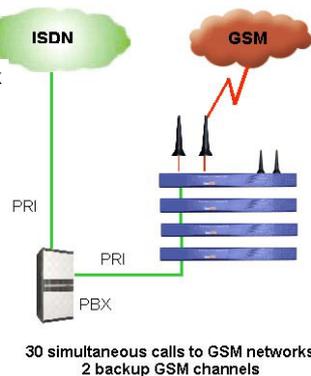
### Scalability

The EWC IP/GSM Gateway is available with preset configurations from 4 to 64 GSM channels per stack.

Technical Specifications	
<b>Dimensions:</b>	Rackable 19", 1U (400x325x45mm)
<b>Weight:</b>	Max. 8Kg
<b>Power Requirements:</b>	100 - 240V AC; 150 VA per unit
<b>Compliance:</b>	FCC Class B Part 15; CE Marking
<b>Network:</b>	Ethernet 10/100 Mbps - TCP/IP

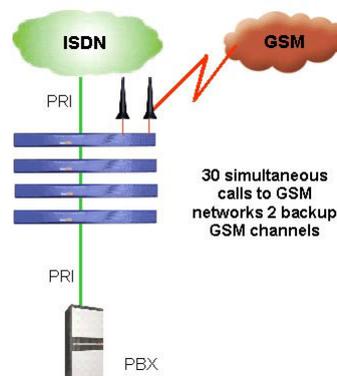
#### Configuration A: Dedicated Link

The PBX is configured to route landline to GSM calls to the Gateway via a dedicated interface.



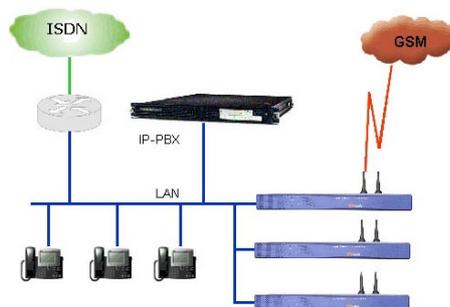
#### Configuration B: Pass-Through

The Gateway intercepts calls to mobile phones and routes them directly to the GSM network.



#### Configuration C: IP System

The Gateway interfaces to your IP Network and routes calls to mobile phones directly to the GSM network.



### Interoperability

The EWC IP/GSM Gateway includes GSM modules and expansion space for extra SIM cards. The Gateway supports both PRI and BRI Euro ISDN trunk types and is therefore compatible with all ISDN PBX's.

Likewise, the GSM interfaces support both 900 and 1800MHz bands and SIM types. It is also possible to use SIM cards from different operators concurrently in the same Gateway.

### Overflow and Reliability

If all of the GSM modules are busy, the Gateway can be configured to send overflow calls to the fixed, landline network. This efficient means of managing calls makes it possible to handle potential saturation of the local GSM network.

### Multiple Antenna Connectivity Options

- 4 -GSM channel antenna
- 4-to-1 antenna coupler (1 antenna for 16 GSM channels)
- cable extension up to 30m

# EWC

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