

PRI GSM Gateway HG-3000 Series

Optimized for medium to large sized companies

Product Overview

The PRI GSM Gateway HG-3000 introduces new techniques for reducing telephony call costs and getting more out of the PBX.

Hypermedia's PRI GSM Gateway provides superior voice technology for connecting traditional legacy PBX systems to GSM and CDMA networks. This professional PRI GSM Gateway connects directly to the E1/T1 ISDN PRI interface of the PBX, enabling the PBX to connect directly to the cellular networks.

A VoIP enabler can be integrated into the HG-3000 series for VoIP support.

Reducing GSM Call Costs

The PRI GSM Gateway provides an alternative, low-cost channel for routing all PBX fixed-to-mobile and mobile-to-fixed calls directly via the cellular networks.

This business-grade E1/T1 PRI GSM Gateway reduces telephony costs by:

- Eliminating interconnection charges between fixed to mobile calls
- Maximizing the VPN's low mobile-to-mobile business call rates

Given the system's flexibility, modularity and scalability, the ISDN PRI GSM Gateway can be pre-configured to meet precise customer requirements. Companies can easily expand this cost-effective system to meet their evolving telephony needs over time.

In-line Connectivity with LCR Functionality

The PRI GSM Gateway can come with two E1/T1 PRI interfaces featuring advanced least cost routing (LCR). In this configuration, the PRI GSM Gateway is situated between the PBX and the PSTN, saving the cost of an additional PBX E1/T1 port.

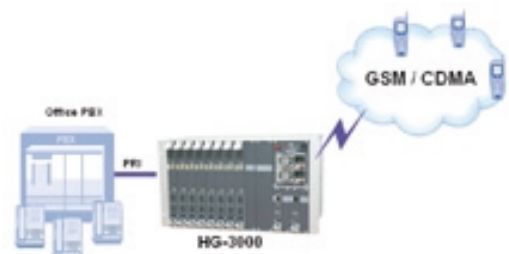
Target Users

HG-3000 series PRI GSM cellular gateways are optimized for medium to large sized businesses, providing integrated voice communications for both onsite and remote users, and opening up new business opportunities for:

- PBX distributors
- Telecom equipment resellers
- System and call-center integrators
- Telecom equipment installers
- Telecommunication consultants
- Alternative service providers
- Call traffic terminators

Key Benefits

- Cost savings on GSM calls
- Direct PBX to GSM connection
- Maximize the VPN's low GSM rates
- Fast return on investment (ROI)
- Scalable – from 24 to 60 simultaneous calls
- In-line connectivity – between the PBX and the PSTN
- Advanced LCR functionality
- Compatible with all ISDN PBXs
- Remote web-based management and control



The PRI GSM Gateway is available with different add-on applications & services, including VoIP, SMS server, call-back, call-through, CTI and more.



PRI GSM Gateway

HG-3000 Series



HyperGateway system specifications

Interfaces/protocols

PRI:	DSS1 (Q.931, national variants), E1/T1, TE/NT, CRC4/double frame
BRI:	Optional
GSM:	Ericsson GR64, Wavecom Q24xx One antenna per four channels
CDMA:	Motorola C18
UMTS:	Motorola 3G mobile phones C975 and E1000
IP/Ethernet:	10/100 Base-T, RJ-45

Voice over IP – optional

Voice compression:	GSM, G.723, G.729, G.711
Echo cancellation:	G.168
Signaling:	H323 (Q931, H245, RAS & RTP/RTCP), SIP (optional), QoS (RSVP, DiffServ)
Call setup:	Either integrated or on external server

Management & Control

Web-based management

Antenna

Omni-directional: 3dB, indoor antenna with a 3m cable

General

Dimensions:	482 x 266 x 280 mm (84HP x 6U x 280 mm)
Weight:	Minimum 7kg (based on the system's configuration)
Housing:	19" rack-mountable
Power:	Max 230VA, 100-240VAC
Certification:	CE
Environmental temperature:	+5°C to +45°C
Humidity:	5% to 95% (non-condensing)

Note: technical data is subject to change without prior notice.

System Highlights

- 24 to 60 cellular channels
- GSM, CDMA and 3G networks
- Multi-SIM – 4 SIM cards per channel
- Up to two PRI interfaces with LCR functionality
- Full compatibility with Cisco, Quintum and Asterisk
- Integrated antenna combiner
- Remote web-based management and control
- High voice quality
- Bi-directional calls
- Optional redundant power supply
- Fast and easy installation

Product Range

HG-3000E	– E1-PRI/GSM, 30 channels
HG-3000T	– T1-PRI/GSM, 24 channels
HG-3000E2	– 2 x E1-PRI/GSM, 30/60 channels
HG-3000T2	– 2 x T1-PRI/GSM, 24/48 channels

*All GSM Gateways are available with Multi-SIM support.

**The HG-3000 series is available with CDMA.