



With Built-in SIM Bank, SMG4000 Wireless VoIP Gateway Helps You Obtain Unparalleled Operational Efficiency and 100% Availability

Synway SMG4016/4032(16/32Chs) Wireless Gateway could be compliant with a variety of wireless/mobile protocols (2G/3G/4G), enabling interconnection between GSM/CDMA/WCDMA network and VoIP network smoothly and safely. SMG4000 could be applied into a range of systems, including, mobility PBX, PSTN backup lines, VoIP localization, SMS notification platform, cloud-based services, contact service center, and GSM/CDMA Trunking.

Key Points for SMG4016/4032 to assure high availability and security in diverse applications:

- Integrated "Gateway Plus Built-in SIM Bank" architecture for better communication efficiency
- High security and privacy for users via automatic-exchange of different SIM cards and Networks;
- High-speed response and connectivity in the extreme network environments, with better run efficiency;
- Telecom grade reliability and continuous high performance in fully loaded capacity and in the long run;

- **Inbuilt SIM BANK Reduces TCO By 50%**

Many rival products have separate SIM bank, but SMG4000 integrates inbuilt SIM bank slots. In any case, system would be running uninterruptedly, even though some SIM cards are blocked unexpectedly because of continuous calling. Via using 1Channel with 4 SIM slots, users even can set time-based call volume or time length, and so a channel can use 4 different SIM cards.

- **SMS Text Messaging is Uninterrupted**

To fit into growing market demands on both data and audio, SMG4000 could transition both data and voice efficiently and effectively. SMG4000 can use both web-GUI and a specific tool to send and receive SMS (from or to GSM gateway). SMG4000 can use and activate multiple SIM cards circularly, improve system security, make full use of bandwidth, and increase ROI.

- **IMEI Changing Capability Reassures Positive Result**

Generally, mobile networks use IMEI numbers. Sometimes due to high usage of SIM cards, operators or SPs block calling from particular SIM cards based on IMEI numbers. With SMG 4000, users can manually edit and update IMEI numbers so that SIM cards can be reactivated or reused continually.

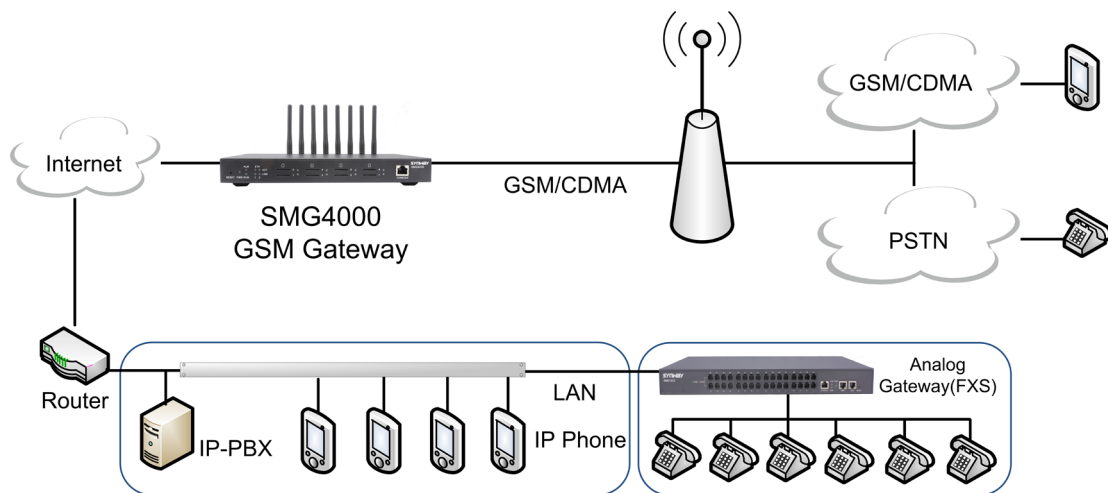
- **Audio Debugging Makes Sure "Non-Shut-Down"**

SMG4000 could track the technical issues and debug efficiently via audio debugging, which other rival products cannot provide in the market. By channel-based recording, SMG4000 can record PSTN side channel as well as SIP side channel in order to debug the voice/DTMF/noise/Echo issues shortly.

Here, we analyze how to base SMG4032/3016 to build up an outbound notification high-mobility system, which maximize the value of accessible wireless infrastructure.

Application Case:

With Built-in SIM Bank, SMG4016/4032 Wireless VoIP Gateway Helps Build Up High-Availability OBD Telemarketing Systems



Functional Description:

SMG4032/3016 has attracted over 100 system integrators to use, although it has not emerged in the market for a firmly long time. Based upon users' feedback and comparison analysis of other brands, SMG4032/3016 has faster system response speed than its rivals. It could connect to the IP/WIRELESS networks with minimum latency, improving the operation efficiency of the system, and increasing dialing numbers and calling frequency. In addition, SMG4032/3016 also could detect low wireless signals promptly and convert the wireless signals into high definition IP audio and text reliably. Besides, SMG adopts a variety of brand name hardware-components, and its embedded system has been optimized continually in the field, ensuing SMG4032/3016 maintains a better stability under the circumstance of durable high-capacity running.

Moreover, SMG4032/3016 adopts synway's SUPERFORM EHCO CANCELLATION to optimize the voice quality, and supports all kinds of voice optimization technology, including CNG, AGC and Adaptive dynamic buffer. And it also adopts DSP-ENABLED Codecs, including G.711, G.722, G.723, G.729, ILBC, AMR, ect, making the voice performance and processing power unique and being able to satisfy all kinds of applying requirements Under extreme circumstances. In addition, SMG4032/3016 can transfer TEXT information to achieve any expected performance on both voice and data.

SMG4032/3016 Series gateway system adopts carrier-grade system structure. Compared to rival products, its compact size and power consumption are unparalleled. Compatible with different soft switching platforms (IP-PBX, UC), it also adapts open architecture, could be upgraded to fit into specific customer needs.

About Synway

As a major manufacturer and supplier of communication products and solutions, Synway specializes in providing superior Multimedia Gateway, Integrated Multimedia Switch, Telephony Hardware in use for Telecom communications. www.synway.net