SMG4000 helps system integrator and enterprises exponentially boost operational efficiency in the OBD system

Synway Application Notes

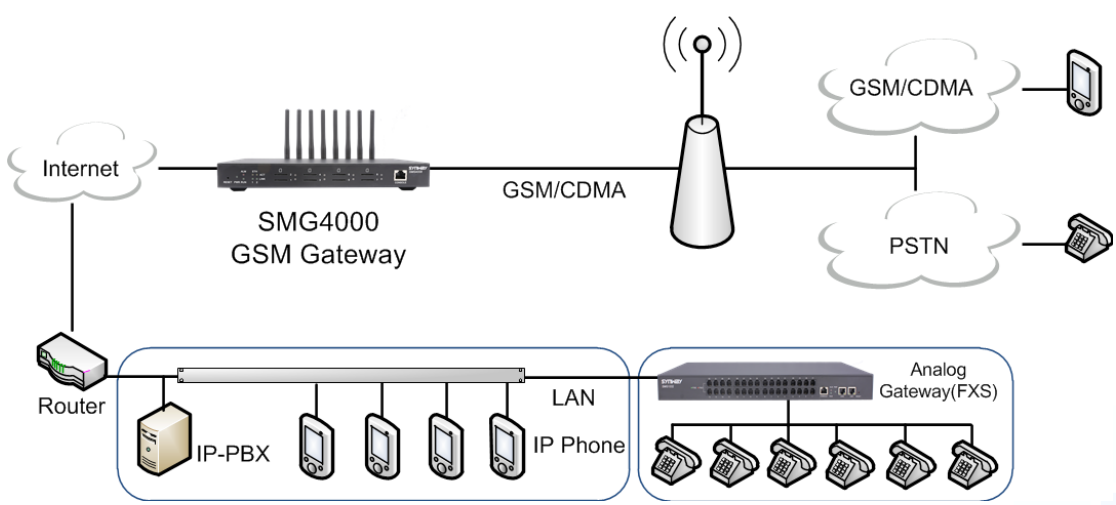
Application description:

SMG4000 could reduce operational cost for enterprises, at large extent, and improve efficiency and effectiveness in the OBD outbound dialing system. There are a variety of applications related to MOBILE-IP transition(2G/3G/4G) in many countries, such as bank credit card bill reminding system, utility payment notification system, Telemarketing and marketing campaign activities, international IP dialing to wipe out roaming fee. In all of these applications, SMG4000 wireless gateway has obvious advantages as follows:

- reduce the operational costs
- enable systems with high mobility and flexibility
- improve efficiency of communications

Mobile and Wireless Networks (2G/3G/LTE) have become the most generally utilized networks around the world. But some customers in some countries still face the circumstance in which TDM networks are not available, or the TDM infrastructure is too expensive(at least more expensive than Mobile networks). In that scenario, SMG4000 series wireless gateway possesses cost and installation advantages. And it has become a very important choice for enterprises and service providers, by using SMG4000 to bridge wireless network with IP infrastructure.

Here,we analyze how to base SMG4000 to build up an outbound notification high-mobility system, which maximize the value of accessible wireless infrastructure.



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Synway Application Notes

Synway GSM4000 provides customers efficient communication and help them create more value ,system integrators and users can be offered a more stable & reliable way for economical WIRELESS-IP conversion, the specific value includes:

- Faster system response and connection in the extreme network environment to improve operational efficiency.
- Communication performance keeps stable and continuous with telecom reliability in the long term of frequent-using
- Self-owned hardware and software technology is able to renew and update the performance & function of the products according to the request of users.
- Clear voice quality based on the complete voice processing capabilities with DSP
- Outstanding automatic-switch architecture of SIM card with better security for uses.
- Compact HW design, ensures low power consumption and cost .

Functional Description:

SMG4000 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, GSM4000 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, SMG4000 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 SMG4000 maintains a better stability under the circumstance of durable high-capacity running.

Moreover, SMG4000 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, SMG4000 can transfer TEXT information to achieve any expected performance on both voice and data.

SMG4000 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. In specific environments, SMG4000 can use and activate multiple SIM cards circularly, improve system security, make full use of bandwidth, and increase ROI.

www.synway.net

Connect 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. Since 1995, over 3,000 service providers, software developers and system integrators have deployed Synway's offerings to deliver a broad range of TDM and VoIP-based applications worldwide, including Unified Communications, SIP Trunking, Call Center, Mobile VAS, Faxing, Conferencing, Call Recording as well as Asterisk-based Open Source Applications. With dedicated teammates and well-known premium services, Synway makes consistent efforts to deliver partners with a variety of customizable, high-performance and cost effective voice communications products.

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