

MOBIGATE™ – Enterprise Level SMS Gateway



INTRODUCTION

1. MOBIGATE™ is a SMS gateway. SMS Gateway is an interface between software application and the SMS Centre of GSM network operator.
2. The software application can be ERP, CRM, Business Intelligence, Accounting Software, Network Monitoring, etc.
3. With MOBIGATE™, software application is able to send and receive SMS.
4. MOBIGATE™ stores SMS into database (MS SQL or MySQL)
5. MOBIGATE™ enables the following services:-
 - a) SMS mass broadcasting;
 - b) SMS alert that is triggered by external system such as network monitoring application;
 - c) Information on demand; or
 - d) mobile commerce with large transaction volume

FEATURE

1. Concurrently using 4 SIM cards (or GSM channels) to send out SMS. It is not using round-robin.
2. Route outgoing message via predefined SIM card (GSM channel).
3. Able to send and receive Unicode characters.
4. Fail Over – if SIM card no.1 cannot send SMS out, then SIM card no. 2, 3, 4 will be used until SMS is sent.
5. Security – your customer's mobile number is not exposed to any external party as the numbers are stored in the local database.

HARDWARE ARCHITECTURE

1. MOBIGATE™ is an innovative single console supports up to **8 SIM cards or GSM channels**.
2. The front panel is designed with 8 LED to indicate power status. Each of these LED corresponds to one of the modems. Each modem can be individually control.
3. On the rear, a single power input jack to power the whole console. This design eradicates the need for multiple power adapters.
4. MOBIGATE™ can be placed in a rack server.
5. MOBIGATE™ has options to connect to a *Windows* machine via 1 or 2 USB ports.

MOBITEK System Sdn .Bhd. (207015-D)

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INTEGRATION

1. External system, software, application or back-end system can integrate with MOBIGATE via:-
 - a) database connectivity (e.g. OLEDB, ODBC, JDBC, ADO.net, ADO) and SQL statement; or
 - b) COM/ActiveX (that can be called from VB, VB.net, C++, C#, Delphi, PHP, Java, ASP, ASP.net)
 - c) SOAP (web service)

SPECIFICATION

1. Dimension: 30cm x (43cm + 5cm) x 4 cm
2. Colour: black
3. SIM Card Slot: standard 4 SIM cards, and up to 8 SIM cards.
4. GSM Module: Wavecom Q24Plus; Quad band 850 / 900 / 1800 / 1900 Mhz
5. Connectivity with *Windows* machine via 1 or 2 USB ports
6. *SMS Engine – Enterprise Edition*
7. SMS API:
 - a) COM/ActiveX; and
 - b) Java with JACOB
8. 1 power cable
9. External GSM antenna, 2 metre length, magnet base.

SYSTEM REQUIREMENT

1. *Windows* Operating System: Windows 2000 server / XP Pro / 2003 server / Vista Business Edition / 2008 server / Windows 7
2. 2 USB ports.
3. JRE 1.6 (optional)
4. Database server:-
 - a) Microsoft SQL server 2000 / 2003 / 2008 Enterprise Edition / 2005 Express Edition; or
 - b) MySQL Server version 4.1 and above with MySQL ODBC Connector version 5.1

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FREQUENTLY ASKED QUESTIONS

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1. Is MOBIGATE™ a GSM Modem?

No. It is a SMS Gateway. Nevertheless, inside there are GSM modems.

2. Is MOBIGATE™ a server?

No. It is a gateway, a SMS Gateway.

3. How many SIM cards can be inserted?

Model SG-4 can fit 4 SIM cards.

Model SG-8 can fit 8 SIM cards.

4. If I used 4 SIM cards, can I have 1 number for all 4 SIM cards?

Yes, you can use Maxis "Multi-SIM 1 Line" service. Refer to http://www.maxis.com.my/personal/latest/promo/ml1sm_intro.asp

5. Can MOBIGATE™ support masking/hiding/customising of sender ID?

No.

6. What is "GSM channel"?

It refers to 1 SIM card that is connected to a GSM network/channel/line.

7. Does MOBIGATE™ broadcast in a round-robin method?

No. It uses load balancing and concurrent broadcasting via 4 GSM channels.

8. Is MOBIGATE™ a hardware?

It has both hardware and software component (not software application).

9. Can MOBIGATE™ connects to a *Windows* server via all these interfaces – USB, PCI and PCIe?

Not all. MobiGATE connects to a *Windows* server via an adapter:-

a) USB (1 USB port to 4 serial ports)

b) PCI (1 PCI card to 4 serial ports)

c) PCIe (1 PCI Express card to 4 serial ports)

Therefore, you can only choose one of the above adapters.

10. If I want MOBIGATE™ to connect to both PCI and PCIe, any suggestion?

You can purchase the 2nd adapter from us.

11. What is the difference between PCI and PCIe?

Please refer to -- <http://www.askageek.com/2007/05/09/pci-vs-pci-express/>

12. Are both PCI and PCIe compatible?

No. Please check your motherboard's specification in order to choose the correct adapter.

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