

MOBITEK® SMS Gateway Development Kit

INTRODUCTION

Our vision is to make machines and systems talk. By using **MOBITEK®** SMS Gateway Development Kit (SGDK), software developers and system integrators are able to build their own SMS Gateway, SMS application, SMS solution, to integrate SMS into business systems.

MOBITEK® SGDK is a collection of development kits for containing:-

1. **API (COM / Active)**
2. **Database (SQL)**
3. **XML-RPC**
4. **e-mail**
5. **command line**

CONTENTS

1. **MOBITEK® SMS API**
2. **MOBITEK® SMS Engine Basic Edition**
3. **MOBITEK® CLISMS**
4. **MOBITEK® SMS API for Java**
5. **MOBITEK® CLISMS e-Mail to SMS Converter**

SPECIFICATION

Supported Operating System:

1. Windows 2000 Pro / Server
2. Windows XP Home / Pro 32 bit and 64 bit
3. Windows 2003 Server 32 bit and 64 bit
4. Windows Vista 32 bit and 64 bit
5. Windows 2008 32 bit and 64 bit
6. Windows 7 32 bit and 64 bit
7. Linux

Supported Language: VB6, C++, .Net, PHP, Java, Delphi, etc.

BENEFITS

1. rapid development of a SMS Gateway
2. full control of the message flow, business logic and the design of SMS Gateway
3. can decide how to handle incoming message – trigger an event, or launch an external application
4. can decide where to store the incoming message – in database, in text, or in XML
5. can decide who should receive outgoing message, when to send, what the send
6. integrate SMS feature with external software application
7. able to check credit balance of prepaid account
8. able to reload, top-up the prepaid account

General Features

1. to initialize modem; to connect and disconnect GSM modem with PC/Server
2. to reboot the GSM modem
3. to unlock SIM with PIN
4. to check whether GSM modem is connected with GSM network
5. to check the signal strength of GSM network
6. to get the name of GSM network operator
7. to send SMS (maximum 160 characters, and in text format only)
8. to send long message i.e. SMS longer than 160 characters (concatenating messages)
9. to read incoming SMS (in text format only)
10. to turn on / off the delivery status report, and to obtain delivery status report of outgoing SMS
11. to interact with GSM network via USSD (for checking account balance, expiry date, top-up prepaid account, etc.)
12. to add, delete, edit phone book in SIM card
13. to check whether a mobile number is on-line

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MOBITEK[®] SMS Gateway Development Kit

How to send SMS in VB6 & VB.NET

```
SMS.SendSMSText("+60163311600","Hello!")
SMS.SendLMSText("+60163311600","Hello! This
is very long message that is more than 160
characters...")
```

How to read SMS in VB6 & VB.NET

```
If SMS.ReadSMS = True Then
    sSender = SMS.MN
    sMessage = SMS.Msg
    sDateTimeofMessage =
SMS.SCTS
End If
```

How to send SMS in Java

```
SMS.setProperty("ToNumber","0176096718");
SMS.setProperty("ToMessage","Hello from JAVA
with SMS API version 7. Test no.6");
SMS.invoke("SendSMS");
```

How to read SMS in Java

```
vMOBITEK = SMS.invoke("ReadSMS");
bMOBITEK = vMOBITEK.getBoolean();
if (bMOBITEK) {
String sender = SMS.getPropertyAsString("MN");
String message =
SMS.getPropertyAsString("MSG");
String date_time_of_message=
SMS.getPropertyAsString("SCTS");
}
```

How to send SMS in PHP

```
$sms → SendSMSText
("+60163311600","Hello!")
```

How to read SMS in PHP

```
If ($sms → ReadSMS())
{
$sender = $sms → MN;
$message = $sms → MSG;
$date_time_of_msg = $sms → SCTS;
}
```

How to send SMS in SQL

```
INSERT INTO Outbox
(Message, Mobile,
DateTimeQueue, SentStatus)
Value
('Hello!', '+60163311600', 2012-09-30
10:00am, 'P')
```

How to read SMS in SQL

```
SELECT Message,
Mobile, DateTime, Status
FROM Inbox WHERE STATUS = 'New'
```

How to send SMS in Linux OS

```
$c=new
xmlrpc_client("http://192.168.0.207:8888");

$f=new xmlrpcmsg("SendSMS", array
(new xmlrpcval("0182509028"),new
xmlrpcval("Hello!", "string")
), "array");
```

How to read SMS in Linux OS

```
$f=new xmlrpcmsg("ReadSMS",
array
(
new xmlrpcval("2", "int")
), "array");
```

How to send SMS in command line

```
C:\> clisms /port=1 /to=+60163311600
/msg=Hello!
```

How to send SMS via e-mail

```
To: sms@your\_domain.com
Subject: +60163311600
Body: Hello!
```

How to read SMS via e-mail

```
From: sms@your\_domain.com
Subject: SMS sent by +60163311600
Body: Thank you!
```

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CASE STUDIES

Systems	Using MOBITEK® SMS Gateway Development Kit	System can talk with ...
ERP/MRP/Accounting Software	Enable information on demand Enable automation Enable event alerts	<ol style="list-style-type: none"> 1. Salesmen - request latest price list, stock level 2. Manager - alerted of critical situation such as critical stock level reached 3. Customers - check delivery status, being alert of outstanding invoice
Network Monitoring Software e.g. OpManager , WhatsUp Gold , PRTG	Enable SMS alerts via event triggering	Network Administrator - being alert of file tampering, unauthorized of login
UPS Software	Enable SMS alerts via event triggering	Network Administrator - being alert of file power failure, power resume
SCADA	Enable SMS alerts via event triggering	Plant Manager - notified of machine failure, remote control of machinery
Logistic System	Enable information on demand	Customers - check delivery status
Financial System	Enable information on demand Enable automation Enable event alerts	Customers - mobile commerce, credit card fraud alert, monthly instalment calculation, 2 factor authentication, send one time password via SMS
CRM	Enable SMS broadcast, SMS marketing	Customers - notified of latest promotion/news, reservation, remind of appointment/check-up

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