



BMW Brilliance Automotive

IT Infrastructure

Tendering of SMS platform

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Change History

Version	Date	Name	Description of Changes
0.1	2004.08.24	Leon Shen	Initial.
0.5	2004.08.27	Leon Shen	Update the 1.3 Scope.
0.6	2004.09.01	Leon Shen	Update the chapter 2
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1 Background

1.1 Introduction BBA IT Department

The IT Department (in the following referred to as BBF-4) of BMW Brilliance Automotive Ltd. (in the following referred to as BBA) responsible for the operation of the whole IT infrastructure and the application & operational support for all systems implemented on-site in two locations in Shenyang and Beijing.

1.2 Motivation

There are a lot of devices installed in BBA, and BBF-4 want to monitor the status at 7*24*365. If something happened, the alarm email will be send to the special email box or email box group. IT guys will maintain the IT devices as soon as possible.

1.3 Scope

BBF-4 planned to set up an inside SMS platform to transfer the email of special email box ((group) to short messages. Then pre-defined cell phone users will receive the short messages. The short messages content should be the subject of the email.

1.4 Email System Background

- Server : Microsoft Exchange Server 2000 (English Version)
- Client : Microsoft WinXP Professional (English Version)
- LAN user access: Outlook 2000 (English Version)
- Web: <https://>



2 Structure and content of the tender

2.1 Hardware

Introduction of the hardware, specification.

This hardware is produced in France. The main chip which control telecom is the product of WAVECOM corporation in France. It's speed of sending short message is about 1.5s per message.

Technology detail:

Character: double frequency GSM modem(EGSM900/1800MHz or EGSM900/1900MHz), be used in data、fax、 short message and voice.

The license: ETSI GSM Phase2 + general telephone

Output power: Class4(2W@900MHz)

Class1(1W@1800/1900MHz)

input volt: 5V - 32V

input current: 5mA in waiting , 140mA in telecom of GSM900MHz@12V

5mA in waiting , 100mA in telecom of GSM1800MHz@12V

the range of temperature: - 20 - +55 in working

- 25 - +70 in waiting

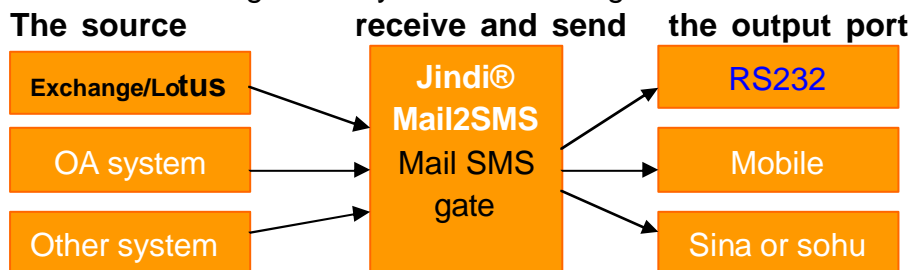
the size: 98 × 54 × 25mm

the weight:130g

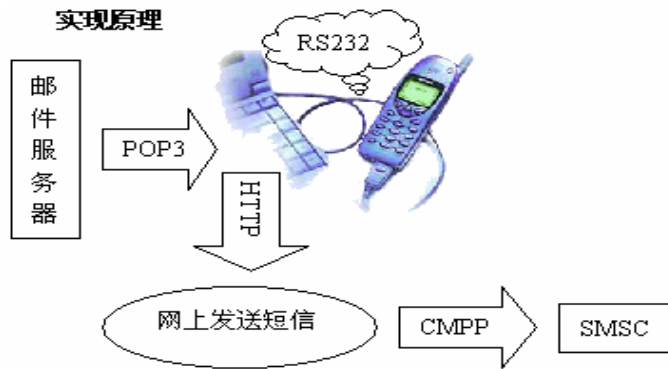
2.2 Software

Introduction of the software, specification.

The following is theory of SMS working:



The principle picture



Picture 2 : terminal sending by mobile

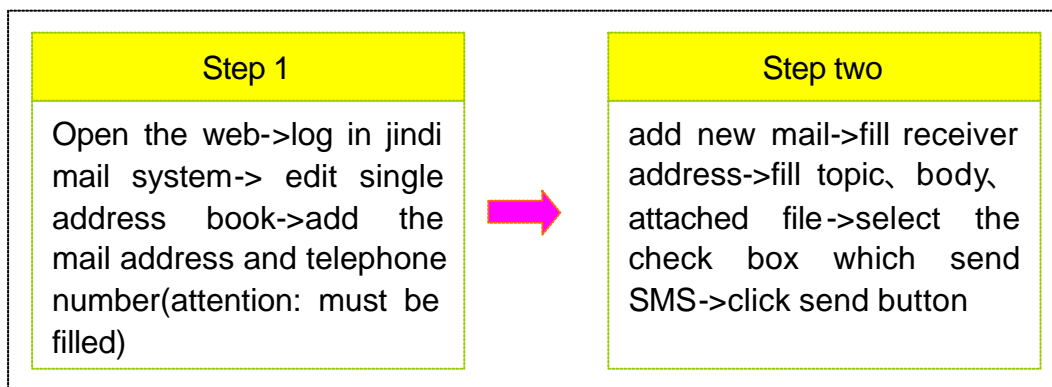
2.3 Installation and configuration

Onsite installation and configuration process.

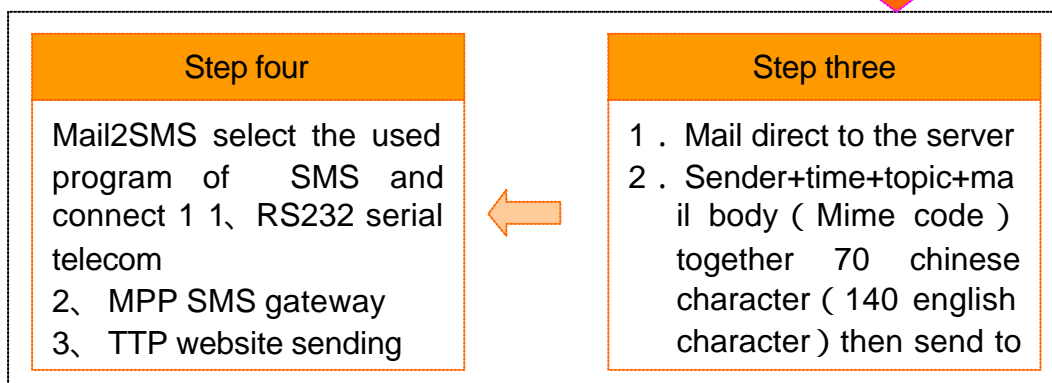
The operation process of this soft working Jindi mail system and short message of sending picture

Jindi mail system have two function:

- 1、 with sending mail it can send the short message to the user
 - 2、 when the user received the mail can send the short message
- the operation of sender:

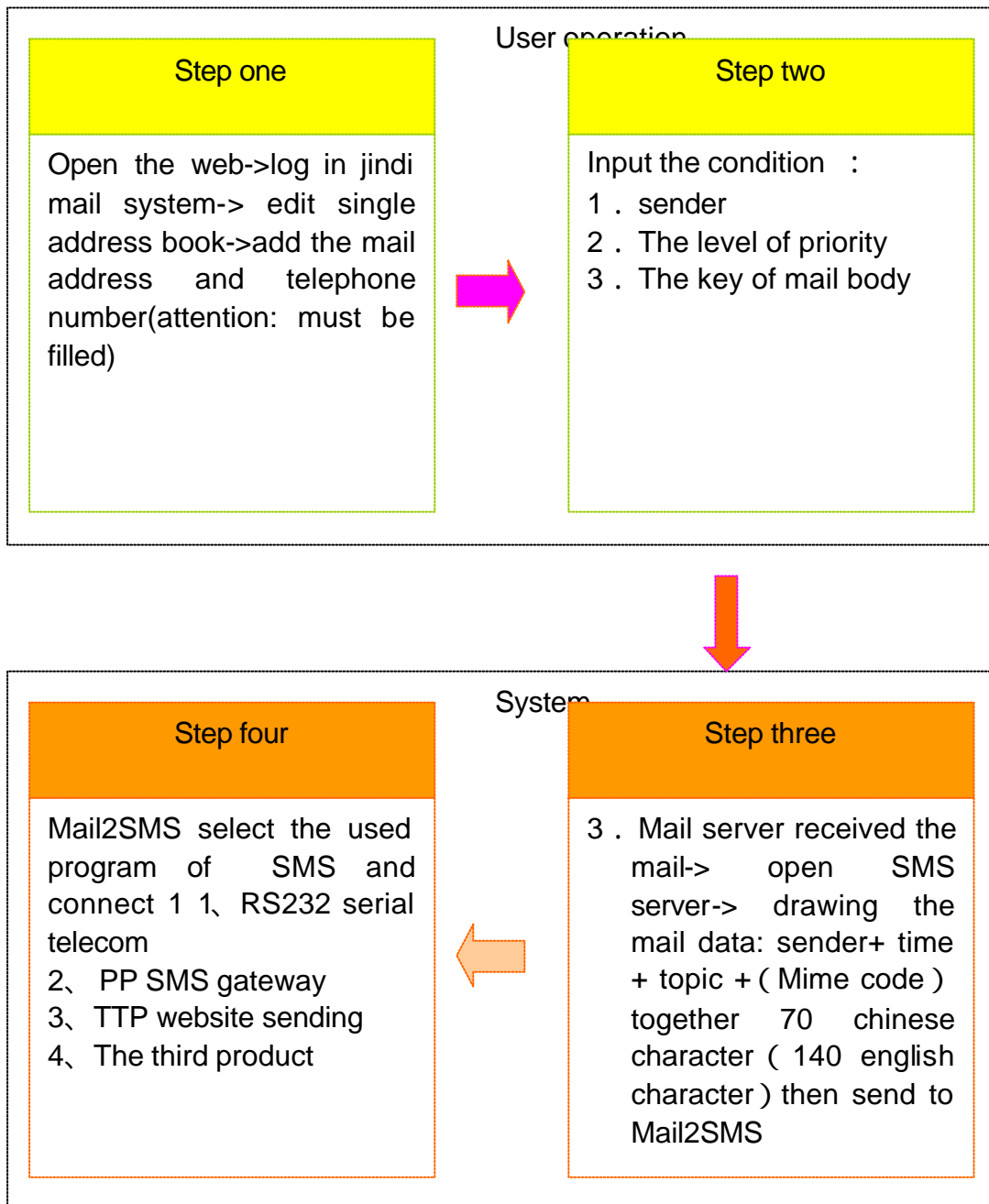


Mail2SMS <http://www.mailer.com.cn>





2 .



2.4 Maintenance

Service term: the free server is only 1 year after the contact is passed. After 1 year, the server fee is 20% of contact.



service level

level one: If the SMS server down or the operation stopped, we can offer the solution or the replace way in 12 hours by internet or our engineer go to the server room in 24 hours.

Level two: If the SMS software not work , we can offer the solution or the replace way in 24 hours or 48 hours.

Level three: If the SMS software have some bug, we can offer the solution or the replace way in 48 hours or 3 days..

Warranty: the hardware can exchange in one year and the software is free server in one year.

2.5 Enviroment

Preparation for the SMS platform. Including LAN, Server/PC, protocol...etc.

The min require of hardware configuration :

Cpu: pantum 4 ,2.4 G SPEED

Memory: >=256M

Hard disk:>=40 G

The SMS platform:

Operation system: Linux system

LAN picture:

Protocol:

telecom protocol : SMTP、ESMTP、POP3、IMAP、LDAP、MIME、DNS、UUCP ;

security protocol : SSL、PGP、VPN、DES

save technology : SAN、NAS、NFS

support database:

Oracle、Mysql、Sybase、SqlServer、DB2、LDAP

2.6 Checklist