

Common Communication Gateway

Enabling your Messaging Requirements



CCG is a robust messaging software for sending and receiving SMS messages. It is used by applications that require a fast and simple means of enabling sms notifications.

Key Features

Ease of Integration

CCG provides many interface options that enable most 3rd party applications to send notifications without any development effort

Scalable

CCG supports up to 16 GSM modems, so when your messaging traffic increases, you can simply add in more modems.

Flexible Channels

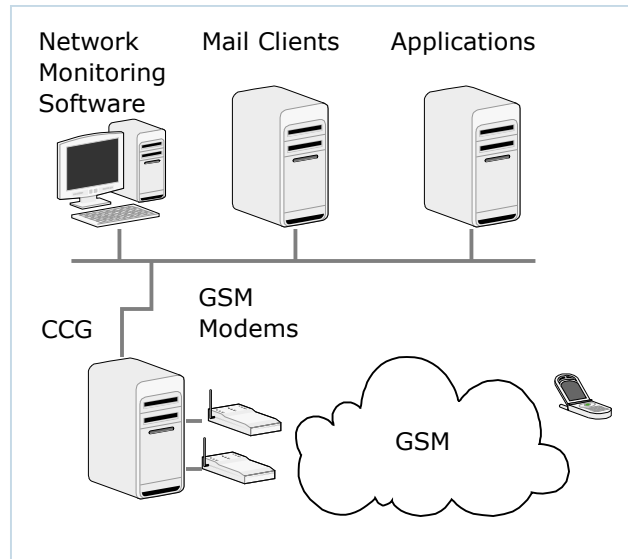
CCG can send out SMS, Message Paging and Email messages concurrently, depending on your configuration.

Reliable

CCG has been the enterprise messaging system for many large corporate customers such as banks, hospitals and government institutions, supporting their critical messaging requirements 24 x 7.

Cost Effective

Due to its flexible interfaces, CCG can be shared amongst many applications in the enterprise. The flexibility of the CCG allows for applications to share a pool of modems, or dedicated modems for specific applications



Typical Usage

Network Management System

NMS systems can use the CCG to send out notifications whenever an event is detected.

Batch Processing

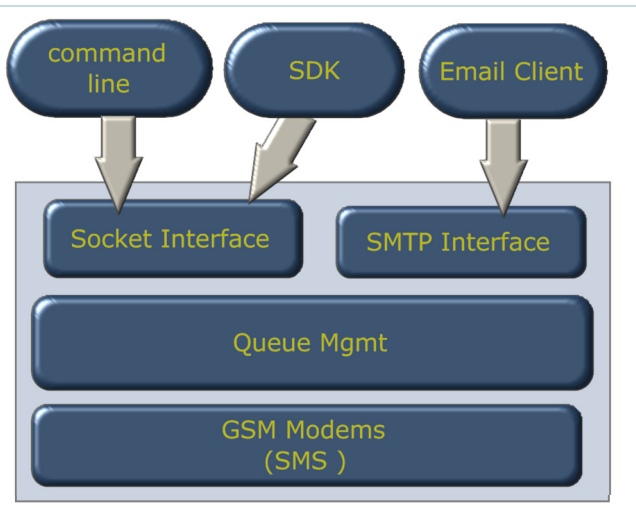
A batch processing script such as a day end batch job can use the CCG to notify the relevant personnel if the batch job fails.

Corporate Communication

CCG can be integrated to the corporate email system such that sms can be sent from the staff's email system.

Plug-In for 3rd party Applications

CCG can be bundled with applications that require messaging capabilities.



System Requirements

- Windows 7/ Win2008R2/ Win2012
- Minimum 4 GB RAM
- Harddisk space of 200 MB

Technical Features

Modem Pool Load Balancing

CCG provides load balancing of the modem pool it controls. When it receives jobs from applications, it will distribute the jobs to all available modems to ensure the latest mode of sending out the messages. Also, it has a round-robin logic to distribute jobs evenly across all modems.

Modem Redundancy

If the CCG is unable to send out SMS via one modem, it will automatically route the job to the next modem, if available, thus increasing the reliability of the system.

Priority Queuing

CCG can store up to 1000 messages to be queued up for sending. It also have a priority mechanism such that those with higher priority will be sent out first. This ensures that critical messages will not be delayed by other messages.

Unicode Support

CCG can send unicode message (e.g. Chinese characters) via the SDK.

Comprehensive Notifications

CCG can inform the administrator of any message or system failure by means of email

Flexible Modem Pools

CCG can be configured to dedicate specific pool of modems for specific applications. This flexibility provides a company to utilize the same CCG to handle different applications that want their own dedicated modems.

Interfaces to CCG

Command Line Interface

This is a simple program file that can be called by 3rd party applications to trigger the CCG to send out sms messages.

Available in Windows as well as different flavors of UNIX, the command line can be triggered from anywhere in the network which the CCG is connected to.

SMTP Interface

The CCG comes with its own SMTP Interface. It will accept a incoming SMTP mail and convert it to SMS or Paging message.

SDK

CCG comes with the following SDK for programmers to develop messaging applications on top of the CCG. Currently available SDKs are .NET, ActiveX and Java Classes.

File Polling

CCG has an option to poll text files and end out the messages to recipient's contacts as defined in the polled files.



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