

# Common Communication Gateway

Enabling your Messaging Requirements



CCG is a robust messaging software for sending and receiving SMS messages via SIM Cards/SMS modems. 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

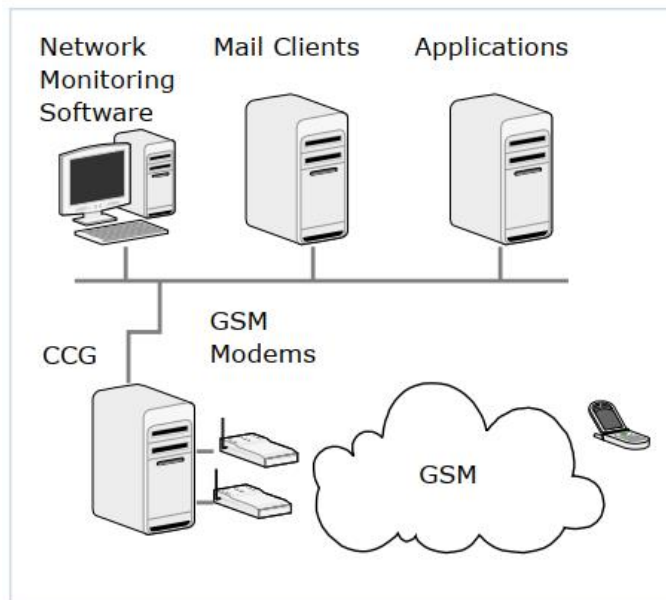
CCG can send out SMS, Message Paging and Email messages concurrently, depending on your configuration.

### 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

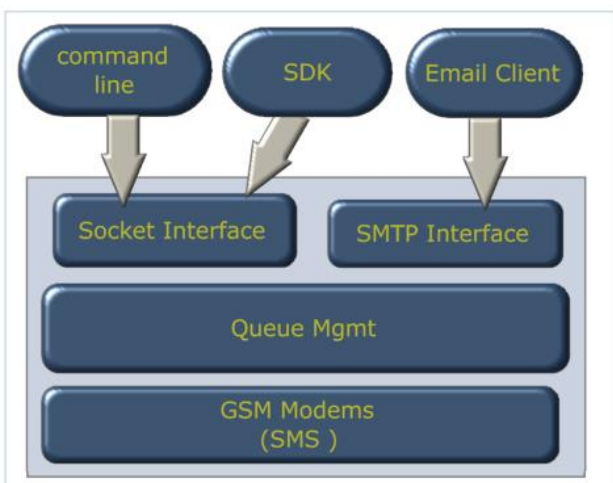
NMS systems can use the CCG to send out SMS notifications whenever an event is detected.

### Batch Job Processing

A batch job script can trigger an SMS alert whenever it encounters any error.

### Corporate Communication

CCG can be integrated to the corporate email such that staff can send out sms via their email client.



## System Requirements

- Windows 10, 11 Workstation, or Windows Server 2016, 2019, 2022.
- Minimum 4 GB RAM
- Free Hard disk space of 200 MB

# Common Communication Gateway

Enabling your Messaging Requirements



## Technical Features

### Modem Pool Load Balancing

CCG provides load balancing of the modems it controls.

When it receives jobs from applications, it will distribute the jobs to all available modems in a round robin manner. This ensures jobs are sent out in the fastest manner and all sim cards share the same load.

### Modem Redundancy

If system with multiple modems, If the CCG is unable to send out SMS via one modem, it will auto-failover the job to the next modem. This ensures that SMS is sent out even if one of the modem/sim card is not functional.

### Priority Queuing

CCG can store up to 1000 jobs to be queued for sending. It has a priority mechanism where jobs with higher priority can jump queue over lower priority jobs and be sent out first.

### Unicode Support

CCG supports Unicode SMS (e.g. Chinese characters ) via SDK

### Comprehensive Notifications

CCG can notify the administrator via email of any failed sms.

### Flexible Modem Pools

CCG can be configured to dedicate specific modems for specific applications. For example it can dedicate 1 modem for an application, and another 2 separate modems for another application.

## Contact Information

NetLynx Technology Pte Ltd  
22 Sin Ming Lane #03-74 Midview City  
Singapore 573969

## Interfaces to CCG

### Command Line Interface

CCG comes with a command line binary that can be called by 3<sup>rd</sup> party applications to trigger an SMS.

The binary can be executed across the network

Available in Windows as well as other UNIX versions such as Linux and HP/UX.

### SMTP Interface

CCG comes with it's own SMTP interface that listens for SMTP mails and converts the email body to SMS.

### SDK

CCG comes with a .NET Framework SDK for developers to trigger SMS

## Supporting Products

### CCG-Monitor

This application is used to monitor the status of the CCG and it's modems. It can trigger an email ( or send an sms via another CCG ) should there be a change of status of the CCG (e.g. modem has disabled, or if CCG is not running )

### iLink Modem

CCG works with the SMS modem (iLink NT8400) to send out sms. It comes with either a USB or Serial Port version.

Web [www.netlynxtech.com](http://www.netlynxtech.com)  
Email [sales@netlynxtech.com](mailto:sales@netlynxtech.com)  
Tel (65)6684-5177

**netlynx**  
**technology**