



## Software Specification

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# STARCOM • ROUTING

## Requirements

The following are the only system requirements for the software:

Component	Minimum	Recommended
<b>Processor</b>	A 1 gigahertz (GHz) processor, such as an Intel Pentium II or Advanced Micro Devices (AMD) processor	1.4 GHz or faster
<b>Operating System</b>	Microsoft Windows 2000, Windows XP, Windows Server, Windows 7, Windows Advanced Server	Windows Server, or Windows Advanced Server
<b>RAM</b>	256 MB	512 MB or more
<b>Hard Disk Space</b>	200 MB	5 GB or more
<b>Internet Connection</b>	128 Kbps bandwidth, static IP address	1500 Kbps bandwidth

- 1 or more **USB** ports are required if using a backup modem

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## Key Features

### *Distribution*

- ✓ **3rd Party Applications:** Support for 3rd party applications through a simple TCP or UDP protocol.
- ✓ **Multiple Users:** Distributes incoming messages between multiple users/applications and send outgoing messages coming from the users/applications.
- ✓ **Permissions:** Each connected application/user can only receive/send messages to its own list of units.
- ✓ **IP Security:** Users/applications can be forced to connect only from specific IP numbers.
- ✓ **Buffering:** Saving of messages for inactive users/applications and sending them upon connection.

### *Communication*

- ✓ **Modem Support:** Local cellular modems of several types are supported to receive/transmit SMS messages from/to the units.
- ✓ **SMPP Support:** Direct connection to the cellular operator to receive/transmit SMS messages from/to the units. Leaving the SMS Center field empty will use the built-in SIM card SMSC. There is an option to have a SMPP connection for outgoing transmissions only.
- ✓ **TCPIP Support:** GPRS/1x connections to handle the units that are connected through these networks.
- ✓ **Routing Network:** Connection to another Routing application to provide more stable communication chain and backups.
- ✓ **Multiple Networks:** Simple and easy connecting to various cellular operators at the same time.
- ✓ **Built-in connection to Starcom Online:** This feature gives the operator the power to modify your IP or even migrate the routing to a completely different server independently without the need of contacting Starcom. The routing application will automatically detect Starcom Online application's server, and if the regular server was replaced or down for maintenance, it'll automatically connect to a different backup server.

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- ✓ **Terminals:** LCU500 as well as Helios devices may function as terminals to send SMS on the local cellular network.

## *Miscellaneous*

- ✓ **Time Synchronization:** Option to use NTP server to make sure the computer's time is always synched.
- ✓ **Port Assignments:** Option to assign different ports to client to connect to.
- ✓ **Alerts:** Option to send network alerts to the administrator's email.
- ✓ **Communications:** An email notification for operators is sent if Starcom Online cannot reach their routing for over 1 hour.