Cellocator Division
Pointer Telocation Ltd.

CELLOCATOR™ Integration Tools

THE CHALLENGE

New customers, who have evaluated Cellocator's unit features and found them appropriate for their production environment, often find themselves with a time & resource consuming task of integrating Cellocator OTA protocol into their production environment. The integration task can take up to several months of development time, according to the integration level of Cellocator protocol they wish to use.

THE SOLUTION

Cellocator Gateway is a set of integration packages offered to Cellocator customers, wishing to integrate Cellocator OTA protocol into their production environments. Customers using Cellocator Gateway are benefitting from quicker and easier integration process, entitled for software upgrades, technical support and more.
Cellocator Gateway is built utilizing the latest technologies, provides high availability & load balancing options and introduces to clients opportunity to integrate and start working with Cellocator units without investing great time and resources.

BENEFITS

- Provides quick and easy integration of Cellocator OTA protocol up to database level
- Allows integration according to the client's skill and demands
- Supports High-Availability & Load-Balancing features

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TECHNICAL DESCRIPTION

Cellocator Gateway solution is built from 3 integration packages; each can easily fit the client infrastructure, according to his integration demands.

Cellocator Gateway (dll level)

The dll package consists from a gprs communication manager dll file. The gprs manager dll is using Microsoft Windows WinSocket 2.0 in order to capture incoming udp or tcp packets. The library is multi-threaded and runs in parallel to the thread (application) that has loaded it. The dll communicates with the application via a standard Win32 library function calls and Windows Messages for a-synchronic communication.
The advantages of using this package are many and includes among others, reducing memory footprint load, saving disk space, supporting Multilanguage programs, providing maximum flexibility and more.
The dll level package will perfectly fit customers with high technical skills that have development team capable of integrating the DLL to their production environment.

Cellocator Gateway (Cellnet Linker level)

The Cellnet Linker package consists from Cellnet Linker application which is a front-end gprs communication application between the client's Command & Control Center (CCC) and Cellocator end units. The server assimilates the gprsManager dll file as a set of functions and API's, enabling bi-directional communication with the end-units including IP/port/socket control, monitoring and other management capabilities.
Customers that will use the Cellnet Linker level will benefit from a fully developed and matured Windows application capable of communicating with Cellocator units over gprs networks.
The application can be installed in parallel at one server in order to handle with many operational gprs ports or over multiple servers in order to enable load-balancing features.

Cellocator Gateway (Full Package)

The Full package consists from 2 Windows applications, Cellnet Linker & Cellnet Correlator and from Microsoft SQL database tables and stored procedures which all together provides an end to end solution for integration of Cellocator OTA protocol[1].
Customers that will use the Full package level will benefit from advanced software architecture that enables high availability and load balancing features, reduced development time to a minimum and more.

For more information please contact:

Pointer Telocation Ltd.
14 Hamelacha Street
Rosh Haayin 48091, Israel
Tel: +972-3-5723111
Fax: +972-3-5719698
e-mail: info@pointer.com
www.pointer.com

[1] For further information about compatibility with Cellocator OTA protocol please refer to the release notes of Cellocator Gateway (Full Package)

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