



## Teligent SMS Router

Along with the extreme growth of SMS traffic in the network new challenges appear for management and optimisation of the messaging infrastructure.

The Teligent SMS Router is the perfect tool to meet all these new challenges. The SMS Router will give you one single access point to perform network monitoring, load control and applications such as Spam Control.

Not only giving you extended and easier control and management, the solution will offload your existing infrastructure and increase performance. The days of risking your networks availability and performance due to huge traffic bursts such as New Year and at big voting sessions will be gone.

### Routing

Efficient routing and load balancing over several SMSCs and over different interfaces will give you the tool you need to manage your messaging infrastructure. The Teligent SMS Router will also give you gateway functionality integrating several different SS7 and IP interfaces, thus enabling it to act as a gateway between MAP and SMPP/UCP/CIMD/SOAP and between GSM and CDMA/TDMA networks for example.

The Teligent SMS Router is scalable to handle thousands of messages per second with extremely high availability ranging from 99.999% to 99.99999% depending on the configuration. This high performance solution will also be able to use high-speed interfaces like SIGTRAN (SS7 over IP) and HSL (SS7 over ATM), enabling efficient integration with next generation signalling network infrastructure.

### SMS Router features

- Extensive routing capabilities
- 99.999% to 99.99999% availability
- Gateway functionality
- High-speed interfaces
- Direct delivery
- Spam Control
- SMS Box

## Optimisation

Not only transforming your SMSCs to an efficient and flexible resource pool the Teligent SMS Router can actually offload the existing SMSCs freeing up significant capacity in the network. The solution can handle incoming traffic from content providers as well as mobile originated traffic. From the management interface traffic flows can be configured to deliver messages direct to the subscribers (MT), to SMSCs or to external applications.

The alternative routes will give you tremendous efficiency gains. In some networks up to 80% of MO-MT traffic can be delivered in the first attempt never involving an SMSC. Critical bursts of traffic will be efficiently handled without any storage delay (as with an SMSC) and thus increasing your customer satisfaction.

## Applications

With complete control over all SMS traffic in your network totally new applications can be launched. Applications like Spam Control and SMS Box that is not possible to run with just an SMSC are now available.

The Teligent Spam Control solution offers several filter options such as whitelist/blacklist, spam filtering that blocks message transfers to certain mobile subscribers or blocking selected content providers.

The Teligent SMS Box will give your customers a way to store their messages within the network solving several problems for your subscribers whilst both increasing traffic and reducing churn. Problems like limited storage space, lost messages due to change of phones or lost phones, will be gone. The SMS Box also includes a web composer and possibility to add end user Spam Control.

## One platform for all solutions

All Teligent solutions are based on the Teligent P90/E platform. This platform delivers outstanding scalability and flexibility to each and every application and will also combine them to create advanced and easy-to-customise solutions. The Teligent SMS Router can benefit from the platform approach with for example a built in rating engine or on-line interfaces for real time charging of prepaid customers.



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