

iCore SMSC / MMSC



Tecore's system delivers fully integrated Short Messaging and Multimedia Messaging services in conjunction with prepaid and voicemail services.

SMSC

The Short Messaging Service Center (SMSC) can be purchased as a standalone system or can be fully integrated with other Core products. It provides simultaneous SMS operations for GSM, CDMA or UMTS wireless networks. It delivers full SMS services including:

Standard Services

- Mobile Originated (MO) and Mobile Terminated (MT) short messages
- All supported GSM text formats: 7 bit alphabet (default), 8 bit, and 16 bit encoding
- All supported CDMA encoding (ASCII)
- Message storage if recipient is unavailable
- Message delivery report
- Message forwarding and redelivery if recipient becomes available
- Standard SS7 MAP 1, 2, 3 for GSM MAP and ANSI-41 Rev A, B, C, D for CDMA
- ITU and ANSI low level MTP and SCCP support
- SIGTRAN Support
- Adapted to handle latency when satellites are used for network communications
- No additional equipment, devices, or external applications needed
- National and international messaging capabilities
- Message Waiting Notification support
- Log reports and Operational Measurements:
 - Successful MOs
 - Successful MTs

- Failed MOs
- Failed MTs
- Delivery Reports Generated
- Re-attempts completed
- SMPP Connection status
- SS7 Connection status
- Fully configurable via a GUI client

Extended features

- SMPP interface for a single or multi ESME destinations
- Gateway functionality (SMPP & SS7) to manage connections to one or more SMSCs for roaming networks. This will make it easy to switch between different roaming networks with message delivery problems.
- Provides balance notification to prepaid subscriber
- Custom Message Delivery to any subscriber
- SMSC Multiplexer/SMPP Server for message routing to networks without direct connection

MMSC

A powerful Multimedia Messaging Service Center (MMSC) that will handle MMS operations for GSM, CDMA and 3G networks. This evolution of the SMSC delivers full services that include:

- Phone-to-Phone MMS (images, voice, and video)
- Application-to-Phone and Phone-to-Application MMS
- Supports both GSM, CDMA, and 3G networks
- Supports useful subscriber applications for media conversion and sharing
- User friendly Web Interface for OA&M
- MMS Gateway to interface with other MMSCs over GPRS and 1x/EV-DO
- IETF and 3GPP standards are applied
- Support for interfaces for Cellular Carrier Interconnections (MM4)
- Support for interfaces for Value Added Service providers (MM7)
- Support for Messaging Service Control (MM10)
- Support for Digital Rights Management (DRM)