Mobile $SS7$

Product Name: Sangoma Mobile SS7 Gateway

Manufacturer: Sangoma

Model Number: -

Availability: In Stock Using mtpBoost, Sangoma's MTP2 API, along with third party mobile SS7 stacks you can run mobile SS7 applications such as those shown below on Sangoma hardware: Gateway Applications

 The Unstructured Supplementary Service Data (USSD) is a UMTS/GSM Service that allows interactive communication between subscribers and applications across a UMTS/GSM network.

 The Short Message Service (SMS) is a UMTS/GSM Service that allows the communication between applications and subscribers. UMTS/GSM Networks are based on cells to connect the mobile terminals. CellBroadcaster is able to send a text or binary message to all mobile terminals connected to a single cell or a set of cells.

 The Short Message Service (SMS) is a UMTS/GSM Service that allows interactive communication between subscribers and application across a UMTS/GSM network. The Short Message Peer-to-Peer protocol (SMPP) is a telecommunications industry protocol for exchanging SMS messages between SMS peer entities over a TCP/IP network. SMPP-MTGateway is a protocol converter that allows a high speed mobile terminated traffic to be successfully delivered without using SMSC resources. As a carrier-grade subsystem it integrates with many USSD applications and at the same time reduces cost and maintenance of multiple information systems.

 Subscriber Information Gateway enables any external application to access subscriber's location, status and IMEI on real time based on HTTP and XML interfaces. Provided with Cells Global Positioning info (optional), the Subscriber Information Gateway is able to reveal the subscribers global position at any time. Third Party Mobile SS7 Stacks

• map: The Mobile Application Part (MAP) is a SS7 protocol which provides an application layer for the various nodes in GSM and UMTS mobile core networks and GPRS core networks to communicate with each other in order to provide services to mobile phone users.
• cap: The CAMEL Application Part (CAP) is a signaling protocol used in the Intelligent Network (IN) architecture.
• tcap: tcap's primary purpose is to facilitate multiple concurrent dialogs between the same sub-systems on the same machines.
• sccp: The Signaling Connection and Control Part (SCCP) is a transport layer protocol which provides extended routing, flow control, segmentation, connection-orientation, and error correction facilities in Signaling System 7 telecommunications networks.
• mtp3: The Message Transfer Part Level 3 (MTP3) is part of the Signaling System 7 (SS7) used for communication in Public Switched Telephone Networks. MTP is responsible for reliable, unduplicated and in-sequence transport of SS7 messages between communication partners.
• m3ua: The MTP Level 3 User Adaptation Layer (M3UA) as defined by the IETF SIGTRAN enables the SS7 protocol's User Parts to run over IP instead of telephony equipment.

Please Enquire