# SIP Stack for SIP Client

**Model No. (ICS-SSSC-01)**

## SSSC

*The SSSC is a protocol stack or APIs developed for BREW supported CDMA mobiles sets to establish an end to end communication. It is one of the modules of Subscriber Terminal Secrecy Unit (STSU) and will be initialized based on the event supplied by the Main module of the STSU, this is done when the CDMA mobile is switched On. Main module will supply the event to the SSSC, based on the event supplied by the Main module it will send the request message to SIP server. SSSC will generate the event when it receives the response message from the SIP server/UAS, SSSC the process the response message and generate the event to notify the Main module takes corresponding action based on the event type.*

### Developing Environment

- BREW SDK 3.1.4 or later
- Microsoft Visual Studio IDE
- BREW supported CDMA Mobile Handset
- SIP Server
- ARM Cross Compiler
- Test Signature (Generated Class ID)

### Unique Features

- Construct/Generate REGISTER message
- Construct/Generate INVITE message
- Construct/Generate CANCEL message
- Construct/Generate BYE message
- Construct/Generate OPTIONS message
- Construct/Generate ACK message
- Construct/Generate Response messages
- Construct/Generate SDP payload for INVITE message
- Parsing the SDP payload
- Supporting Digest authentication for REGISTER request
- Supporting all timeouts specified in RFC3261
- Supporting UDP as the transport layer
- Processing responses
- Providing call waiting
- Providing call forwarding
- Provision to work on single and multiple proxy environment

*... a Cutting-Edge Technical approach in Mobile Communication...*

NOTE : The specifications can be changed without notice due to technological advances.