

Configure Session Initiation Protocol (SIP) Timer Values (sec) on SPA300/SPA500 Series IP Phone

Objective

Session Initiation Protocol (SIP) is a signaling protocol used to create, manage and terminate sessions in an IP based network. SIP is a mechanism for call management. It also allows for the establishment of user location, provides for feature negotiation so that all of the participants in a session can agree on the features to be supported among them, allows for changing features of a session while it is in progress.

This article explains the configuration of SIP Timer Values on SPA300 and SPA500 series IP Phone.

Applicable Devices

- SPA300 Series IP Phone
- SPA500 Series IP Phone

SIP Timer Values Configuration

Step 1. Use the web configuration utility to choose **Admin Login > Advanced > Voice > SIP**. The *SIP* page opens:

Note: In SPA300 or SPA500 Series IP Phone use **Device Administration > Call Control Settings > Signaling Protocol SIP**.

Step 2. Enter RFC-3261 T1 value in the *SIP T1* field. The range is 0 - 64 seconds. Default is 0.5 seconds.

Step 3. Enter RFC-3261 T2 value in the *SIP T2* field. It is the maximum retransmit interval for non-INVITE requests and INVITE responses. The range is 0 - 64 seconds. Default is 4 seconds.

Step 4. Enter RFC-3261 T4 value in the *SIP T4* field. It is the maximum duration a message remains in the network. The range is 0 - 64 seconds. Default is 5 seconds.

Step 5. Enter RFC-3261 INVITE transaction time-out value in the *SIP Timer B* field. The range is 0 - 64 seconds. Default is 16 seconds.

Step 6. Enter RFC-3261 Non-INVITE transaction time-out value in the *SIP Timer F* field. The range is 0 - 64 seconds. Default is 16 seconds.

Step 7. Enter RFC-3261 INVITE final response time-out value for ACK receipt in the *SIP Timer H* field. The range is 0 - 64 seconds. Default is 16 seconds.

Step 8. Enter RFC-3261 wait time for retransmits in the *SIP Timer D* field. The range is 0 - 64 seconds. Default is 16 seconds.

