



## IP Telephony Survivable Network



### IP Telephony Survivable Network - Market

Requirements  
Branch offices of Enterprises who use a centralized IP-PBX server may face a survivability challenge. These remote locations may lose all voice services



(including internal calls and PSTN breakout) due to the connectivity loss between the remote site and the central IP-PBX. This issue challenges enterprises that deploy a distributed IP-PBX solution.

### IP Telephony Survivable Network - AudioCodes Solution

SAS (Stand Alone Survivability) is an AudioCodes' feature, based on SIP B2BUA (Back to Back User Agent) functionality, targeting Enterprise branch offices. SAS enables the service backup for SIP clients such as SIP IP Phones and SIP Soft Phones in the case of a network failure. This backup is performed by the Media Gateway installed as a CPE in the branch office.

Once the SAS feature has been configured on the Media Gateway, the SIP clients register with their central IP-PBX via the Media Gateway that acts as a proxy for all SIP registrations. In the case of connectivity loss with the centralized IP-PBX platform, the Media Gateway takes control, enabling new phone registrations and internal calls in the disconnected site. PSTN connectivity will also be backed up if there is a local PSTN connection in the gateway. During network downtime, basic call control features are provided by the Media Gateway, and full functionality is restored once the network has recovered.

### IP Telephony Survivable Network Features

- Centralized call processing & application services with survivability
- CAPEX reduction by using an integrated feature in low-priced MediaPack & Mediant gateways
- Based on SIP Back-to-Back User Agent (B2BUA)
- A single box for all requirements: Analog connections of FXS phones and faxes, local PSTN breakout using FXO, BRI, E1/T1 and call control survivability
- Simple configuration and easy deployment of remote locations
- Rich digit manipulation enabling the support of any numbering plan implemented
- Strong security: SIP TLS, STRP, SSL
- Full SAS feature management via web GUI

