AudioCodes SIP Phone Support

for Microsoft Unified Communications

AudioCodes SIP Phone Support **(SPS)** is a value-added application for AudioCodes Mediant™ Media Gateways, which enables smooth connectivity of AudioCode 300HD Series affordable, high quality IP Phones, as well as third-party IP Phones, with the Microsoft Office Communications Server 2007 / Microsoft® Lync™ Server 2010 environment.
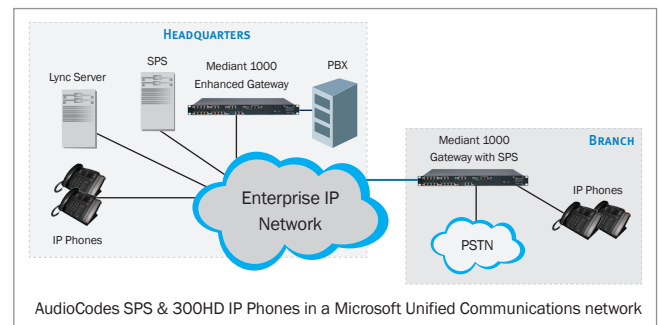
SPS enables the connection of the 300HD Series with Microsoft Lync Server, while providing features, such as enhanced presence, active directory, and support for Real Time Audio (RTA) - Microsoft's high-definition, wideband coder.

SPS can also be used to enable connectivity and provisioning of AudioCodes certified third-party SIP IP Phones from leading vendors, such as Cisco and Avaya, providing IT managers with full investment protection for their IP Phones.

SPS can be offered as an appliance, running on the Open Solutions Network (OSN) Server within AudioCodes' Mediant 800 or Mediant 1000, or alternatively, as a standalone server that uses external DSP resources on the AudioCodes gateways, in case they are required. The AudioCodes gateways hosting the SPS service can simultaneously function as an "Enhanced" Media Gateway or Survivable Branch Appliance (SBA) for the Microsoft Unified Communications system.

AudioCodes SPS & 300HD IP Phones in a Microsoft Unified Communications network

SIP PHONE SUPPORT

- Enables connectivity of AudioCodes 300HD SIP phones with Microsoft Lync Server
- Enables connectivity of certified 3rd party SIP phones with Microsoft Lync Server
- Can scale to support thousands of users
- Supports Microsoft's wideband RTA coder as well as other High Definition VoIP coders
- Supports Lync Server presence
- Supports Active Directory
- Supports redundancy
- Supports AudioCodes Stand Alone Survivability (SAS) for small remote branches
- Provides security features for connectivity into Microsoft Lync Server, such as SIP over TLS and Secure RTP
- Offered as an appliance (based on Mediant 800 and Mediant 1000 with OSN server) or as a standalone server
- Based on a certified Microsoft protocol interface
- Works in conjunction with Microsoft SBA

IP-PHONES FOR OFFICE COMMUNICATIONS SERVER / LYNC SERVER

AudioCodes' 300HD Series of High Definition IP Phones offers a new dimension of voice call quality and clarity for the IP Telephony market.

In addition to the set of standard features in the 300HD Series IP Phone, specialized features for Microsoft Unified Communications environment are available:

320HD

UNIFIED COMMUNICATION FEATURES

- Speed Dialing with Busy Lamp Field that provides Lync Server Presence
- Changing Presence from Phone
- RTA Vocoder (wideband and narrowband)
- Directory lookup
- User Contact List with presence indication

310HD

SECURITY & PROVISIONING ENHANCEMENTS

- Auto-provisioning of the firmware and configuration file
- SIP over TLS
- Secure RTP
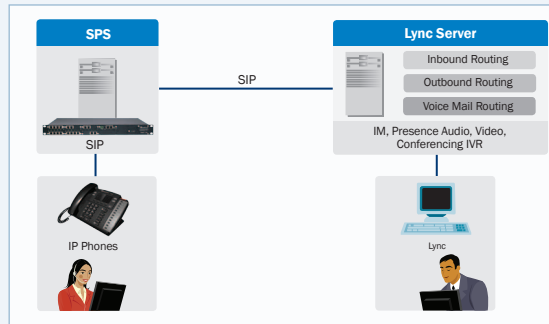- User Login with PIN (user password not stored in the phone)

AudioCodes SIP Phone Support for Microsoft Unified Communications

IP phones connected to Lync Server through SPS can be used as desktop phones for locations without PC workstations or for users that prefer the convenience of using a phone handset.

Making and receiving calls using the IP Phone updates user presence just like using Microsoft® Lync™ 2010.
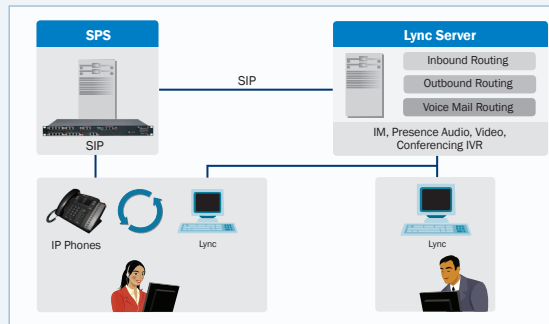
The user can change presence status and search for contacts from the phone directly. The user's contacts presence can be displayed on the phone (requires BLF support from the SIP phone).

AudioCodes 300HD IP Phone as desktop phone for Microsoft Lync Server

Alternatively, an IP Phone connected to Lync Server through SPS can work in conjunction with Lync 2010. This mode combines the best of both worlds: the ability to make convenient voice calls from the desk phone, together with Lync's advanced features such as Instant Messaging.

In this case, incoming calls will simultaneously be received at both the IP Phone and Lync, giving the user the ability to pick the call wherever it is more convenient. Presence is updated in all of the user's devices.

AudioCodes 300HD IP Phone as desktop phone working in conjunction with Lync

ABOUT AUDIOCODES

AudioCodes Ltd. (NasdaqGS: AUDC) designs, develops and sells advanced Voice over IP (VoIP) and converged VoIP and Data networking products and applications to Service Providers and Enterprises. AudioCodes is a VoIP technology market leader focused on converged VoIP & data communications and its products are deployed globally in Broadband, Mobile, Enterprise networks and Cable. The company provides a range of innovative, cost-effective products including Media Gateways, Multi-Service Business Gateways, Session Border Controllers (SBC), Residential Gateways, IP Phones, Media Servers and Value Added Applications. AudioCodes' underlying technology, VoIPerfectHD™, relies on AudioCodes' leadership in DSP, voice coding and voice processing technologies. AudioCodes High Definition (HD) VoIP technologies and products provide enhanced intelligibility and a better end user communication experience in Voice communications.

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Ref.# LTRM-30031 01/12 V.3

SPECIFICATIONS

Media Gateway Platform	Mediant 800	Mediant 1000	Mediant 3000
CPU Module	Intel Dual Core Interfaces: 10/100/1000Base-TX, USB 2.0, RS-232	Intel Core2 Duo L7400 with Intel 3100 Interfaces: 10/100/1000Base-TX, USB 2.0, RS-232	External Server*
Supported number of SIP endpoints	250	500/1000	>1000
Supported number of concurrent calls**	Up to 34	Up to 120	Up to 880
Operation & Management	HTTP Web Server, Remote configuration and software download via TFTP, HTTP, HTTPS, DHCP and BootP, Syslog for events and alarms		
Security	HTTPS, TLS, SSL, SRTP, Access Control List		
Media Gateway Interfaces***	E1/T1: 1 Span FXS/FXO: up to 12 ports BRI: up to 4 ports	6 slots for modular, interface modules supporting: E1/T1/J1: 1-4 Spans FXS/FXO: 4-24 ports BRI: 4-20 ports	2 slots for modular, simplex or redundant configurations supporting: 1 OC-3 or STM-1 APS optical links 1 to 3 T3 (DS3) links Up to 63/84 E1/T1 links

* Please consult AudioCodes for sizing and certification of your server configuration
** May be relevant for third party devices requiring media transcoding
*** For more information about the media gateway features, please refer to the Mediant 800, Mediant 1000 and Mediant 3000 datasheets