

ProVu Communications

Linksys SPA-901



An entry level SIP based VoIP Phone from Linksys.

The SPA-901 is designed for particularly cost sensitive applications in demanding environments. It is perfect for residential, business and industrial settings using a hosted IP telephony service, an IP PBX or a large scale IP Centrex deployment.

Feature-rich

Supporting features such as call hold, transfer and configurable service parameters, the SPA-901 addresses the requirements of traditional business users while utilizing the advantages of IP telephony.

Suitable for ITSP's

For ITSP's and service providers, the SPA-901 supports Linksys's excellent remote provisioning system. Remote provisioning also saves service providers the hassle and expense of managing, pre-loading, and re-configuring customer premise equipment (CPE).

Key Features

- Stand alone SIP Business Class Telephone
- One service provider line with two call line appearances
- Connect to an IP-PBX or VoIP Service Provider
- Line status indicator
- Call hold (music**), Call waiting, Outbound caller ID blocking, Call transfer, three way conference calling
- Call pick up, call park and unpark**, call back on busy, call blocking, call forwarding, call return, hot line and warm line automatic calling
- Call logs(60entries each):made, answered and missed calls (accessed via HTTP server)
- Do Not disturb, block anonymous incoming calls
- Built in web server for administration and configuration
- Speed dial (8 entries)
- 10 user downloadable ring tones free from www.linksys.com
- Wall or Table Mount
- Secure Remote Provisioning for Service Providers

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Technical Data

Telephony Features

- One service provider line
- URI (IP) Dialing support (Vanity Numbers)
- Built-in Web Server for Administration and Configuration, with User and Admin Access Levels
- Built-In Interactive Voice Response (IVR) System to check status and change configuration
- Date and Time w/Intelligent Daylight Savings Support
- Call Start Time stored in Call Logs
- Distinctive Ringing
- Group Paging (Outbound Only)**
- Intercom (Outbound Only)**
- Set preferred CODEC, Per Call, All Calls
- Configurable Dial/Numbering Plan Support
- Ringer and Handset Volume Controls
- DNS SRV and Multiple A Records for Proxy Lookup and Proxy redundancy
- Syslog, Debug, Report Generation, an Event Logging
- Secure Call Encrypted Voice Communication Support
- NAT Traversal
- Automated Provisioning, Multiple Methods. Up to 256Bit encryption: (HTTP, HTTPS, TFTP)
- Support Linksys Voice System Automatic Configuration
- Optionally require Admin Password to Reset unit to factory defaults

**Feature requires support by your VoIP Service Provider.

Hardware

- Voice Mail Message Waiting Indicator Light
- Redial Button
- Dedicated Flash Button
- Volume Control button cycles through Volume Levels. Controls Ringer and Handset Volume.
- Standard 12-Button dialing pad
- High Quality Handset and Cradle
- Ethernet LAN - 10Base-T RJ-45
- 5v DC Universal (100-240v) Switching Power Adapter

Specifications:

- Data Networking
- MAC Address (IEEE 802.3)
- Ipv4, ARP, DNS, DHCP Client, ICMP, TCP,
- UDP, RTP, RTCP, DiffServ, VLAN Tagging
- SNTP, Voice Gateway
- SIPv2, SIP Proxy redundancy
- Re-Registration with Primary SIP Proxy Server
- SIP Support in NAT Networks (including STUN)
- SIPFrag
- Secure (Encrypted) Calling via Pre-Standard Implementation of Secure RTP
- CODEC Name Assignment
- G.711, G.726, G.729, G.723.1
- Dynamic Payload Support
- Adjustable Audio Frames Per Packet
- DTMF: In-Band and Out-of-Band
- Flexible Dial Plan Support with Inter-Digit Timers
- IP Address / URI Dialing Support
- Call Progress Tone Generation
- Adaptive Jitter Buffer
- Frame Loss Concealment
- VAD
- Attenuation / Gain Adjustments
- MWI and VMWI
- Third Party Call Control

Security

- Password Protected System, pre set to factory default
- Password Protected access to Administrator and User Level Features
- HTTPS with Factory Installed Client Certificate
- HTTP Digest - encrypted authentication via MD5 (RFC 1321)
- Up to 256-Bit AES Encryption

Provisioning, Administration, and Maintenance:

- Integrated Web Server Provides Web Based Administration and Configuration
- Integrated Voice Response system to report and modify configuration parameters
- Automated Provisioning and Upgrade via HTTPS, HTTP, TFTP
- Asynchronous Notification of Upgrade Availability via NOTIFY
- Non-intrusive, In-Service Upgrades
- Report Generation and Event Logging
- Statistics Transmitted in BYE Message
- Syslog and Debug Server Records - Configurable Per Line

Physical Interfaces:

- 1 10baseT RJ-45 Ethernet Port (IEEE 802.3)
- Handset: RJ-7 Connector

Power Supply:

- Switching Type (100-240v) Automatic
- DC Input Voltage: +5 Volts DC at 2.0 Amps Maximum
- Power Consumption: 5 Watts Power Adapter: 100-240v - 50-60Hz (26-34VA) AC Input, 1.8m cord

Indicator Lights/LED:

- Status LED
- Message Waiting Indicator LED
- Flash Button with Indicator LED
- LED Test Function

Documentation:

- Quick-Start Installation and Configuration Guide
- User Guide
- Administration Guide
- Provisioning Guide - For Service Providers Only

Environmental:

- Dimensions: 4.13 x 3.75 x 8.38 inches (104.78 x 95.25 x 212.73mm)
- Unit weight: 1.70lbs (0.7711 kg)
- Operating Temperature: 32 to 113°F (0-45°C)
- Storage Temperature: -13 to 185°F (-25 to 85°C)
- Operating Humidity: 10 to 90% Non condensing
- Storage Humidity: 10 to 90% Non condensing

Package Contents:

- SPA-901 IP Phone and handset
- Handset Cord - 56cm (26in)
- 5v Power adapter - 1.8m (6ft) Cord
- RJ45 Ethernet cable - 1.8m (6ft) Cord
- Quick Installation guide