

# Internet Telephony Gateway

## PRODUCT DATA

## Advanced Multi-Port PSTN Gateway Solution for the Linksys Voice System



Functions as an Analog Line Gateway for a Linksys Voice System VoIP Network

Integrated Voicemail Application Server with up to 32 Voicemail Accounts

Perfectly Suited to Connect up to 4 Analog Lines

Enables Linksys Voice System Users to Leave and Playback Voicemail Messages

## Telephony Features

- Connects 4 Analog PSTN Lines to your VoIP network
- 4 RJ-11 FXO Ports
- Integrated Voicemail Application Server
- Enables SPA9000 IP Phone Clients to Leave and Playback Voicemail
- USB 1.1 Host Interface for the Voicemail Module and Application
- Configure up to 32 Voicemail Accounts
- Caller ID Detection
- Hunt Grouping of FXO Ports
- Advanced Inbound and Outbound Call Routing
- Independent Configurable Dial Plans to Utilize Multiple Service Providers
- 8 LEDs: Power, Status, LAN, Ports 1-4, USB
- External Switching Power Adapter 5V DC/2A

## Package Contents

- 1 - SPA400
- 1 - Power Adapter
- 1- USB 1.1 Voicemail Module
- 1 - RJ45 Ethernet Cable
- 4 -RJ11 Telephone Cables
- 1 - Quick Installation Guide

# PRODUCT DATA

Model No. **SPA400**

## Specifications

Model	SPA400 * Note: Many specifications are programmable within a defined range or list of options. Please see the SPA Administration Guide for details. The target configuration profile is uploaded to the SPA400 at the time of provisioning.
Standards	IEEE 802.3 (10BaseT), IEEE 802.3u (1000BaseTX)
Cabling Type	RJ45 Ethernet Category 5, RJ11 Standard Phone Cable
LEDs	Power, Status, LAN, Port 1-4, USB
Voice Protocols	Session Initiation Protocol (SIP v2)
Voice Algorithms	G.711 a-law and $\mu$ -Law G.726, G.729 A B DTMF: In-band (RFC 2833) Call Progress Tone Generation Echo Cancellation (G.168) Jitter Buffer - Adaptive VAD - Voice Activity Detection Call Progress Tone Generation Comfort Noise Generation Frame Loss Concealment
Provisioning, Administration & Maintenance	Web Browser Administration & Configuration via Integral Web Server Telnet access to command line interface Automated Provisioning & Upgrade via HTTP Non-intrusive, In-Service Upgrades Report Generation & Event Logging System Fault self-test
Security	Password Protected System Reset to Factory Default Password Protected Admin and User Access Authority
Physical Interfaces	1 100base T RJ-45 Ethernet Port (IEEE 802.3) 1 USB 1.1 4 RJ-11 FXO Phone Ports - For a Telco or PBX Connection
Regulatory Compliance	FCC part 15 class B and part 68, CE, UL, IC, CB
Power Supply	DC Input Voltage: +5 VDC at 2.0 A Max. Power Consumption: 5 Watts Switching Type (100-240v) Automatic
Documentation	Quick Installation Guide is downloadable from <a href="http://www.Linksys.com">www.Linksys.com</a> Administration Guide - Service Providers Only Provisioning Guide - Service Providers Only
Dimensions	3.98" x 3.98" x 1.10" (101 x 101 x 28 mm) (w x h x d)
Unit Weight	0.5 lbs (.22 kg)
Operating Temp.	32° F to 113° F (0° C to 45° C)
Storage Temp.	14° F to 185° F (-10° C to 70° C)
Operating Humidity	10 to 85% Non-condensing
Storage Humidity	5 ~ 90% Non-condensing

## Environmental

The SPA400 features the ability to connect up to four (4) standard analog telephones lines to a Linksys Voice System (LVS) VoIP network and includes the additional benefit of an integrated voicemail application. The SPA400 utilizes multiple analog phone lines and automatically routes calls to and from your existing PSTN telephone service. Designed to be implemented with the LVS IP Telephony System, the SPA400 enables cost-conscious business users to leverage the high value features generally found only on more expensive PBX equipment.

The SPA400 also includes an integrated voicemail application server supporting up to 32 voicemail accounts or boxes with customized greetings, providing LVS users the ability to receive and playback voicemail messages from their Linksys IP Phones.

The SPA400 supports four (4) RJ-11 FXO ports to connect to the PSTN and also includes one 10/100 BaseT RJ-45 Ethernet interface that is used to connect to the local IP network. Compact in design, the SPA400 is perfectly suited for a small business in providing reliable operation for both VoIP and PSTN voice communication service.

Installed by the service provider, reseller, or end user, the SPA400 enables transparent PSTN gateway functionality for a VoIP telephony network and is a key element in building a solid business communications system.

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