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Advanced, Affordable, Feature-Rich IP Phone for Business or a Home Office

Stylish and functional in design, the SPA922 IP Phone is ideal for a residence or business using a hosted IP telephony service, an IP PBX, or a large scale IP Centrex deployment. The SPA922 leverages industry-leading VoIP technology from Linksys to deliver an upgradeable high-quality IP Phone that is unparalleled in features, value, and support.

Based on the SIP standard, the SPA922 has been tested to ensure comprehensive interoperability with equipment from VoIP infrastructure leaders, enabling service providers to quickly roll out competitive, feature-rich services to their customers.

With hundreds of features and configurable service parameters, the SPA922 addresses the requirements of traditional business users while leveraging the advantages of IP telephony. Features such as easy station moves, presence, and shared line appearances (across local and geographically-dispersed locations) are just some of the many advantages.

Standard features on the SPA922 include dual-switched Ethernet ports, 802.3af Power over Ethernet (POE)* support, a high-resolution graphical display, full-duplex speakerphone, and a 2.5 mm headset port. The SPA922 supports one line with two call appearances and provides support for three-way conferencing, attended call transfer, and placing a call on hold to answer an incoming call. The line can be configured as a unique phone number (or extension), or can be configured to share a number that is assigned to multiple phones.

The SPA922 uses standard encryption protocols to provide secure remote provisioning and unobtrusive in-service software upgrades. Linksys secure remote provisioning tools include detailed performance measurement and troubleshooting features, enabling network providers to deliver high-quality support to their subscribers. Remote provisioning also saves service providers the hassle and expense of managing, preloading, and re-configuring customer premise equipment (CPE).

*The power supply for the SPA922 is sold separately and is required if PoE functionality is not implemented.

SPA922

Full-featured one-line business-class IP phone supporting Power over Ethernet 802.3af

Connect directly to an Internet Telephone Service Provider or connect to an IP PBX

Dual-switched Ethernet ports, full-duplex speakerphone, caller ID, call hold, conferencing, and more

Easy installation and secure remote provisioning— menu-based and web-based configuration

PRODUCT DATA

BUSINESS SERIES

IP Phone

Model: SPA922

IP Phone

Specifications

Model   SPA922

Hardware

Pixel-Based Display—128 x 64 Monochrome Graphical Liquid Crystal Display (LCD)
Dedicated Illuminated On/Off Buttons for Audio Mute, Headset, and Speakerphone
Four Soft Key Buttons
Four Way-Rocking Directional Button for Menu Navigation
Voice Mail Message Waiting Indicator Light
Voice Mail Message Retrieval Button
Dedicated Hold Button
Settings Button for Access to Feature, Set-up, and Configuration Menus
Volume Control Rocking Up/Down Button Controls Handset, Headset, Speaker, Ringer
Standard 12-Button Dialing Pad
High-Quality Handset (RJ-7 connector) and Cradle
Built-In High Quality Microphone and Full-Duplex Speakerphone
Headset Jack—2.5 millimeter port
LED Test Function
Two Ethernet LAN Ports with Integrated Ethernet Switch – 100BaseT RJ-45
802.3af Compliant PoE
Optional 5 volt DC Universal (100-240 Volt) Switching (Power Supply is Ordered Separately)

Security

Password-Protected System, Preset 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

Documentation

Installation and Configuration Guide
User Guide
Administration Guide
Provisioning Guide—For Service Providers Only

Environmental

Dimensions	7.68" x 6.3" x 7.09" (195 x 160 x 180 mm)
Weight	2.15 lb (0.9752 kg)
Power	DC Input Voltage: +5 Volts DC at 2.0 Amps Maximum
	Power Consumption: 5 Watts
	Switching Type (100-240v) Automatic
	Optional Power Adapter (models PA100-NA, PA100-EU, PA100-UK, PA100-AU): 100-240v - 50-60Hz (26-34VA) AC Input
Certification	FCC (Part 15, Class B), CE, A-Tick, ICES-003
Operating Temp.	32 to 113°F (0 to 45°C)
Storage Temp.	-13 to 185°F (-25 to 85°C)
Operating Humidity	10 to 90%, Noncondensing
Storage Humidity	10 to 90%, Noncondensing

Package Contents

• 1 SPA922 IP Phone, Handset, and Stand
• 1 Handset Cord
• 1 RJ-45 Ethernet Cable
• 1 Quick Installation Guide
(Optional Power Supply is Ordered Separately)

Functions and Features

One Voice Line with Two Call Appearances
Line Status—Active Line Indication, Name and Number
Menu-Driven User Interface—Multiple Languages Supported
Digits Dialed with Number Auto-Completion
Shared Line Appearance**
Full-Duplex Speakerphone
Call Hold
Music on Hold**
Call Waiting
Caller ID Name and Number
Outbound Caller ID Blocking
Call Transfer—Attended and Blind
Three-Way Call Conferencing with Local Mixing
Connects to External Conference Bridge for Multi-party Conferencing
Automatic Redial of Last Calling and Last Called Numbers
On-Hook Dialing
Call Pick Up—Selective and Group**
Call Park and Retrieval**
Call Swap
Call Back on Busy
Call Blocking—Anonymous and Selective
Call Forwarding—Unconditional, No Answer, On Busy
Hot Line and Warm Line Automatic Calling
Call Logs (60 entries each)—Made, Answered, and Missed Calls
Redial from Call Logs
Personal Directory with Auto-dial (100 entries)
Do Not Disturb (callers hear line busy tone)
URI (IP) Dialing Support (Vanity Numbers)
On-Hook Default Audio Configuration (Speakerphone and Headset)
Multiple Ring Tones with Selectable Ring Tone per Line
Called Number with Directory Name Matching
Call Number using Name—Directory Matching or via Caller ID
Subsequent Incoming Calls with Calling Name and Number
Date and Time with Intelligent Daylight Savings Support
Call Duration and Start Time Stored in Call Logs
Call Timer
Name and Identity (Text) Displayed at Start Up
Distinctive Ringing Based on Calling and Called Number
Ten User-Downloadable Ring Tones—Free Ring Tone Generator from www.linksys.com
Speed Dialing—8 entries
Configurable Dial/Numbering Plan Support
Intercom** and Group Paging**
NAT Traversal, including STUN Support
DNS SRV and Multiple A Records for Proxy Lookup and Proxy Redundancy
Syslog and Debug Server Records (Configurable Per Line)
Report Generation and Event Logging
Statistics Transmitted in BYE Message
Secure Call Encrypted Voice Communication Support - SIP over TLS, and SRTP
Built-in Web Server for Administration and Configuration with Multiple Security Levels
Automated Provisioning, Multiple Methods—up to 256 Bit Encryption (HTTP, HTTPS, TFTP)
Asynchronous Notification of Upgrade Availability via NOTIFY
Non-intrusive, In-Service Upgrades
Optionally Require Admin Password to Reset Unit to factory Defaults

** Feature requires support by SIP server

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Data Networking

MAC Address	(IEEE 802.3)
IPv4	Internet Protocol v4 (RFC 791), upgradeable to v6 (RFC 1883)
ARP	Address Resolution Protocol
DNS	A Record (RFC 1706), SRV Record (RFC 2782)
DHCP Client	Dynamic Host Configuration Protocol (RFC 2131)
ICMP	Internet Control Message Protocol (RFC792)
TCP	Transmission Control Protocol (RFC793)
UDP	User Datagram Protocol (RFC768)
RTP	Real Time Protocol (RFC 1889) (RFC 1890)
RTCP	Real Time Control Protocol (RFC 1889)
DiffServ	(RFC 2475)
Type of Service-TOS	(RFC 791/1349)
VLAN Tagging 802.1p/q	Layer 2 QoS
SNTP	Simple Network Time Protocol (RFC 2030)

Voice

SIPv2—Session Initiation Protocol Version 2 (RFC 3261, 3262, 3263, 3264)

SIP Proxy Redundancy—Dynamic via DNS SRV, A Records

Re-registration with Primary SIP Proxy Server

SIP Support in Network Address Translation Networks—NAT (including STUN)

SIPFrag (RFC 3420)

Secure (Encrypted) Calling via Pre-Standard Implementation of Secure RTP

Codec Name Assignment

Voice Algorithms:

G.711 (A-law and µ-law, G.726 (16/24/32/40 kbps), G.729 A, G.723.1 (6.3 kbps, 5.3 kbps)

Dynamic Payload Support

Adjustable Audio Frames Per Packet

DTMF—In-band and Out-of-Band (RFC 2833) (SIP INFO)

Flexible Dial Plan Support with Inter-Digit Timers

IP Address/URI Dialing Support

Call Progress Tone Generation

Jitter Buffer—Adaptive

Frame Loss Concealment

VAD—Voice Activity Detection with Silence Suppression

Attenuation/Gain Adjustments

MWI—Message Waiting Indicator Tones

VMWI—Voice Mail Waiting Indicator—Via NOTIFY, SUBSCRIBE

Caller ID Support (Name and Number)

Third Party Call Control (RFC 3725)

Linksys Phone Comparison Chart

Model	Voice Lines	Ethernet Ports	High-Resolution Graphical Display	Power over Ethernet Support
SPA901	1	1	No	No
SPA921	1	1	Yes	No
SPA922	1	2	Yes	Yes
SPA941	2 to 4	1	Yes	No
SPA942	2 to 4	2	Yes	Yes
SPA962	6	2	Yes, Color	Yes

Check the product package and contents for specific features supported. Specifications are subject to change without notice.

PRODUCT DATA

BUSINESS SERIES

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8022020NC-KO

Model: SPA922