

Linksys SPA-942

VoIP Telephone



The new Linksys SPA-942 is a functionally powerful, easy to use business phone, featuring comprehensive interoperability and a secure mass deployment capability. Standard features on the SPA-942 include two active lines, dual switched Ethernet ports, Power-over-Ethernet, a high resolution graphical display, a full duplex speaker-phone and a 2.5mm head-set port.

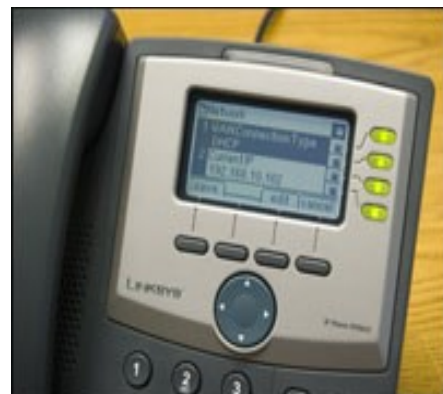
The SPA-942 is an affordable, business class telephone which can be easily configured as a two line phone. With a simple software update the SPA-942 is upgradeable to four lines. Each line can be independently configured to use a unique phone number (or extension), or can be configured to use a shared number that is assigned to multiple phones.

The SPA-942 can be used in SOHO, enterprise, small to medium business service offerings including IP PBX, hosted IP telephony and IP Centrex along with residential use.

The SPA-942 is based on industry leading VoIP technology from Linksys to deliver a high quality IP phone that is unparalleled in features, value and support. The SPA-942 is simple to use, with well laid out function keys & utilises the call processing functionality found in existing Linksys products.

Key Features

- Up to 4 lines with independent configuration
- Dual switched Ethernet ports
- Hands free option
- Call hold, call waiting, call transfer, call conferencing, Do not disturb.
- Call logs- made, answered, missed calls, with time- 60 entries each
- Caller ID
- Multiple ringtones with selectable default ring tone per line
- Personal address book with auto dial- 100 entries
- Speed dialling
- Built in web server for administration
- 128x64 Monochrome LCD graphical display with back light
- Automated provisioning- up to 256 byte encryption
 - TFTP- DHCP option 66 support
 - HTTP
 - HTTPS



Technical Data

SPA-942

Data Networking

- MAC Address (IEEE 802.3)
- IPv4- Internet Protocol Version 4 (RFC 791)
- 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 (RFC 792)
- TCP- Transmission Control Protocol (RFC 793)
- UDP- User Datagram Protocol (RFC 768)
- 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 Over IP

- 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 (incl. STUN)
- SIPFrag (RFC 3420)
- Secure (Encrypted) Calling via Pre-Standard Implementation of Secure RTP
- Codec Name Assignment
- Voice Algorithms
 - G.711 (A-law and mu-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 & Out-of-Band (RFC 2833) (SIP INFO)
- Flexible Dial Plan Support with Configurable Inter-Digit Timers
- IP Address/URI Dialing Support
- Call Progress Tone Generation
- Jitter Buffer- Adaptive
- Frame Loss Concealment
- VAD- Voice Activity Detection w/ Silence Suppression
- Attenuation/Gain Adjustments
- MWI- Message Waiting Indicator Tones
- VMWI- Voice Mail Waiting Indicator
- Caller ID Support (Name & Number)
- Third Party Call control (RFC 3725)

Security

- Password Protected System Reset to Factory Default and Configuration
- Password Protected Admin and User Access Authority
- Provisioning/Configuration/Authentication
 - HTTPS with Factory Installed Client Certificate
 - HTTP Digest- Encrypted Authentication via MD5 (RFC 1321)
 - Up to 256-bit AES Encryption

Provisioning, Administration and Maintenance

- Web Browser Administration and Configuration via Integral Web Server
- Automated Provisioning & Upgrade Availability via HTTPS
- Non-Intrusive, In-Service Upgrades
- Report Generation and Event Logging
- Syslog and Debug Server Records
- Per Line and Purpose Configurable Syslog and Debug Options

Physical Data Interfaces

- 2 x 100baseT RJ-45 Ethernet Ports (IEEE 802.3)

Voice I/O Interfaces

- Handset: RJ-7 Connector
- Speaker-phone & Microphone- Built-in
- Headset 2.5mm Port

Regulatory Compliance

- FCC Part 15 Class A, B
- CE Mark

Power Supply

- Switching Type with Modular Wall Plug Clip- County/Region Specific
- DC Input Voltage: +5 VDC at 2.0 A Max
- Power Consumption: 5 WATTS
- Power Adaptor: 100-240v- 50-60Hz (26-34VA) AC Input, 1.8m cord

Indicator LEDs- Lights

- Line (4)
- Speaker-phone
- Headset
- Message Waiting
- Mute + Status (Provision, Alert, Upgrade)
- Voicemail Message Retrieval button

Environmental

- Operating Temperature 32 to 113 F (0 to 45 C)
- Storage Temperature -13 to 185 F (-25 to 85 C)
- Relative Humidity 10 to 90% non-condensing, operating and non-operating

Box Contents

- 1- Linksys IP Phone- Colour- Dark Grey
- 1- Handset- Colour- Dark Grey
- 1- Handset Cord- Colour- Dark Grey
- 1- Telephone Desk Stand
- 1- 5v Power Adapter- 1.8m (3ft) Cord
- 1- RJ-45 Ethernet Cable- 1.8m (3ft) Cord- Colour Black
- 1- Linksys Quick Start Guide

Documentation

- Quick-Start Guide
- User Guide
- Administration Guide- Available to Service Providers Only
- Provisioning Guide- Available to Service Providers Only

Warranty

- One Year Hardware- Limited

Linksys Phone Comparison Chart

<i>SPA Model</i>	<i>Voice Lines</i>	<i>Ethernet Ports</i>	<i>High RES Graphical Display</i>	<i>PoE</i>
SPA 921	1	1	Y	N
SPA 922	1	2	Y	Y
SPA 941	2-4	1	Y	N
SPA 942	2-4	2	Y	Y