

# ProVu Communications Linksys SPA-941



## VoIP Telephone



Introducing the stylish new 2 or 4 line business phone from Linksys/Cisco.

The SPA-941 is an affordable, full featured business class telephone which can be configured as a two line or, via a simple software upgrade, a four line full featured business phone with a high resolution pixel based graphical display, full duplex speakerphone, headset jack and message waiting indicator with a dedicated message retrieval button. With an intuitive, easy to operate user interface, the SPA-941 supports: do not disturb, call hold, blind and consultative transfer, three party conferencing and more. A personal directory, call logs for made, received and missed calls and speed dialing is supported. On-hook and off-hook dialing, directory dialing with name and number matching are also supported.

Stylish and functional in design, the SPA-941 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-941 is simple to use, with well layed out function keys & utilises the call processing functionality found in existing Linksys (formely Sipura) products. Linksys VoIP endpoint solutions solve many requirements of enterprise users and reveals the advantages of an IP network like easy acceptance of station moves, presence and shared line appearances across geographically separate locations.

### Key Features

- Up to 4 lines with independent configuration
- 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
- Automated provisioning- up to 256 byte encryption
  - TFTP- DHCP option 66 support
  - HTTP
  - HTTPS



**ProVu Communications Ltd, Bank House, 4 Peel Street, Marsden, Huddersfield HD7 6BR**  
**Phone: 01484 840048 Fax: 01484 840050 Sip: provu@provu.co.uk**  
**http://www.provu.co.uk/ - Email: contact@provu.co.uk**

# Technical Data

## ProVu Communications

### SPA-941



#### 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)
- 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)
- 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 (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
- YMWI- Via NOTIFY, SUBSCRIBE
- Caller ID Support (Name & Number)

#### 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 Encryption

#### Provisioning, Administration and Maintenance

- Web Browser Administration and Configuration via Integral Web Server
- Automated Provisioning & Upgrade Availability via NOTIFY
- 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

- One RJ-45 Port- Ethernet 10baseT Interface (IEEE 802.3)

#### Voice I/O Interfaces

- Handset: RJ-7 Connector
- Speakerphone & 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)
- Speakerphone
- Headset
- Message Waiting
- Mute + Status (Provision, Alert, Upgrade)

#### Environmental

- Operating Temperature 41 to 113 F (5 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

#### Physical Customization

- Customer Logo/ Branding Available Case Colour Matching Available

#### 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