

# ProVu Communications

## Linksys SPA-3102



### Toll Quality Voice and Carrier-Grade Feature Support

The SPA-3102 delivers clear, high-quality voice communication in diverse network conditions. Excellent voice quality in a demanding IP network is consistently achieved via our advanced implementation of standard voice coding algorithms. The SPA-3102 is interoperable with common telephony equipment like voicemail, Fax, PBX and interactive voice response systems.

### Large-Scale Deployment and Management

The SPA-3102 offers all the key features and capabilities which service providers can provide customized VoIP services to their subscribers. The SPA-3102 can be remotely provisioned and supports dynamic, in-service software upgrades. A secure profile upload saves providers the time, expense, and hassle of managing and pre-configuring or re-configuring customer premise equipment (CPE) for deployment.

### Ironclad Security

ProVu understands that security for end users and service providers is a fundamental requirement for a solid, carrier-grade telephony service. The SPA-3102 supports secure, standard encryption-based methods for communication, provisioning and servicing.

### Key Features

- VoIP to PSTN and PSTN to VoIP Gateway (both origination and termination)
- Single stage and two stage dialing support
- Forward calls to and from the PSTN / VoIP service
- PSTN line sharing with multiple extensions
- Automatic PSTN Fallback (Loss of power or IP connectivity)
- Advanced inbound and outbound call routing and dialplan support
- Up to 8 independent configurable dialplans
- Multiple PSTN disconnection detection methods
- Ability to configure for local conditions worldwide
- Dual 10/100Mbps Ethernet router



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# Technical Data

## ProVu Communications

SPA-3102



### Product Specific (SPA-3102)

- VoIP to PSTN (USA) Service Call Origination and Termination
- PSTN (USA) to VoIP Service Call Origination and Termination
- Single Stage and Two Stage Dialling
- Forward Calls to VoIP service – Selective, Authenticated, All
- Forward Calls to PSTN service – Selective, Authenticated, All
- PSTN Line Sharing with Multiple Extensions
- Automatic PSTN Fallback (Loss of Power or IP Service to Unit – with Quiescence to Normal Operations)
- Advanced Inbound and Outbound Call Routing
- Independent Configurable Dial Plans – Up to 8
- Force PSTN Disconnection
- Sequential Dialling Support

### VoIP to PSTN Authentication and Routing Features

- VoIP to PSTN Gateway Enable/Disable
- VoIP Caller Auth Method (None, PIN, HTTP Digest)
- VoIP PIN Max Retry Setting
- One Stage Dialling Enable/Disable
- VoIP Caller ID Pattern Matching
- VoIP Access Allowed Caller List (No Further Authentication)
- VoIP Caller PIN and Associated Dial Plan

### PSTN to VoIP Authentication and Features

- PSTN to VoIP Gateway Enable/Disable
- VoIP Caller Auth Method (None, PIN, HTTP Digest)
- Ring Through to FXS Enable/Disable
- Ring Through Tone – Configurable
- Caller ID (Bellcore Type 1) for VoIP Service Access
- Caller ID Enable / Disable
- PIN Max Retry Settings
- Access Allowed Caller List (No Further Authentication)
- Caller PIN and Associated Dial Plan
- Least Cost Routing (Via Outbound VoIP – Line 1 Dial Plan)

### FXO Behavior Features

- VoIP Answer Delay Timer
- PSTN Answer Delay Timer
- VoIP PIN Digit Time-Out Timer
- PSTN PIN Time-Out Timer
- PSTN-to-VoIP Call Max Dur Timer
- VoIP-to PSTN Call Max Dur Timer
- PSTN Dialling Delay Timer
- VoIP DIG Refresh Interval Timer
- PSTN Ring Time-out Timer

### PSTN Disconnection Detection Features

- CPC (Removal of Tip/Ring Voltage Momentarily)
- Polarity Reversal
- Long Silence (Configurable Time Setting)
- Disconnect Tone (e.g. Reorder Tone)
- Silence Threshold

### International Control Features

- FXO Port Impedance – Configurable to 16 settings
- Ring Frequency – Configurable
- SPA to PSTN and PSTN to SPA Gain Settings
- Ring Frequency – Maximum Setting
- Ring Validation Time Setting
- Tip/Ring Voltage Adjustment Setting
- Ring Indication Delay Setting
- Operational Loop Current Minimum Value
- Ring Time-out Setting
- On-Hook Speed Setting
- Ringer Impedance Setting
- Line-in-Use Voltage Setting