Internet Phone Adapter with 2 Ports for Voice-over-IP

Feature-Rich VoIP Service through your High-Speed Internet Connection

Enables feature-rich telephone service over your broadband Internet connection

Two standard telephone ports for analog phones or use one of the ports for a fax machine, each with an independent phone number

High quality, clear sounding voice service simultaneous with Internet use

Compatible with all common telephone features: Caller ID, Call Waiting, Voicemail, etc.

Model No. PAP2T
### Telephony
- Two voice ports (RJ-11) for analog phones or Fax machines
- Impedance Agnostics - 8 Configurable Settings
- Call Waiting, Cancel Call Waiting, Call Waiting Caller ID
- Caller ID with Name/Number (Multi-national Variants)
- Caller ID Blocking
- Call Forwarding: No answer, Busy, All
- Do Not Disturb
- Call Transfer
- Three-way Conference Calling with Local Mixing
- Message Waiting Indication - Visual and Tone Based
- Call Return
- Call Back on Busy
- Call Blocking with Toll Restriction
- Delayed Disconnect
- Distinctive Ringing - Calling and Called Number
- Off-hook Warning Tone
- Selective/Anonymous Call Rejection
- Hot line and Warm Line Calling
- Speed Dialing of 8 Numbers/Addresses
- Music on Hold

### Package Contents
- PAP2T Phone Adapter Unit
- Power Adapter
- RJ-45 Ethernet Cable
- Quick Installation Guide

### Specifications
- **Model**: PAP2T
  - Note: Many specifications are programmable within a defined range or list of options. Please see the PAP2T Administration Guide for details. The configuration profile is uploaded to the PAP2T at the time of provisioning.

### 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)
- SNTP - Simple Network Time Protocol (RFC 2030)
  - 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 Gateway
- 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
- Adjustable Audio Frames per Packet
- Fax Tone Detection Pass-Through
- Fax Pass-Though - Using G.711
- DTMF: In-band & Out-of-band (RFC 2833) (SIP Info)
- Flexible Dial Plan Support with Interdigit Timers and IP Dialing
- Call Progress Tone Generation
- Jitter Buffer - Adaptive
- Frame Loss Concealment
- Full Duplex Audio
- Echo Cancellation (G.165/G.168)
- VAD - Voice Activity Detection with Silence Suppression
Specifications

Security
- Provisioning, Administration & Maintenance:
  - HTTPS with Factory Installed Client Certificate
- Regulatory Compliance:
  - FCC (Part 15, Class B), cUL, CE, IC-003, A-Tick
- Power Supply:
  - DC Input Voltage: +5 VDC at 2.0 A Max.
  - Power Consumption: 5 Watts
  - Switching Type (100-240v) Automatic
- Indicator Lights/LED:
  - Phone1, Phone2, Internet, Power
- Documentation:
  - Quick-Start Installation and Configuration Guide
  - User Guide
  - Administration Guide - Service Providers Only
  - Provisioning Guide - Service Providers Only

Physical Interfaces:
- Subscriber Line Interface Circuit (SLIC):
  - Ring Voltage: 40-55 VRMS Configurable *
  - Ring Frequency: 10 Hz - 40 Hz *
  - Ring Waveform: Trapezoidal and Sinusoidal *
  - Maximum Ringer Load: 3 REN
- On-hook/off-hook Characteristics:
  - On-hook voltage (tip/ring): -50 V NOMINAL
  - Off-hook current: 25 mA min
  - Terminating Impedance: 8 Configurable Settings including North America 600 ohms, European CTR21

Provisioning, Administration & Maintenance:
- HTTP Digest - Encrypted Authentication via MDS (RFC 1321)
- Web Browser Administration & Configuration via Integral Web Server
- Phone Key Pad Configuration with Interactive Voice Prompts
- Automated Provisioning & Upgrade via HTTPS, HTTP, TFTP
- Asynchronous Notification of Upgrade Availability via NOTIFY
- Non-intrusive, In-Service Upgrades
- Report Generation & Event Logging
- In BYE Message
- Syslog & Debug Server Records - Per Line Configurable
- 1 10/100baseT RJ-45 Ethernet Port (IEEE 802.3)
- 2 RJ-11 FXS Phone Ports - For Analog Circuit Telephone Device (Tip/Ring)

Dimensions
- 3.98” x 3.98” x 1.10” (101mm x 101mm x 28mm) W x H x D

Environmental
- Unit Weight
  - 5.40 oz. (0.153kg)
- Operating Temp.
  - 32º to 113ºF (0º to 45ºC)
- Storage Temp.
  - -77º to 158ºF (-25º to 70ºC)
- Operating Humidity
  - 10 to 90% Non-condensing
- Storage Humidity
  - 10 to 90% Non-Condensing
The Linksys Internet Phone Adapter enables high-quality feature-rich VoIP (Voice over IP) service through your broadband Internet connection. Just plug it into your home router or gateway and use the two standard telephone ports to connect analog phones or fax machines. Each phone port operates independently, with separate phone service and phone numbers, like having two telephone lines. You'll get clear reception and reliable fax connections, even while using the Internet at the same time.

With Internet telephony, along with low domestic and international phone rates, an impressive array of special telephone features are available. Choose your preferred local dialing number, regardless of where you live. Or add a virtual telephone number to have forwarded to your Internet phone. You can even add a toll-free number. The Linksys Internet Phone Adapter is compatible with these and all of the other special telephone features that are available from your Internet telephone service provider, such as Caller ID, Call Waiting, Voicemail, Call Forwarding, Distinctive Ring, and much more.