

ZyXEL



DECT and 802.11g VoIP Station Gateway with USB 2.0 Ports



**VoIP
DECT**

- All-in-one Internet Sharing with Wireless 802.11g 54 Mbps Access Point
- Multiple SIP Numbers and Voice Channels Enable Feature-Rich Phone Services with Internet Connection
- Flexibly Forward Calls from PSTN to VoIP and Vice Versa
- DECT Station Gateway Supports up to 6 Cordless Handsets
- Built-in USB 2.0 for Disk and Printer Sharing

Benefits

Wireless VoIP Phone with DECT Base Station

The P-2302HWUDL-P1 is a wireless 802.11g VoIP router combining with a DECT phone base station. With two built-in standard phone jacks and a DECT station, the P-2302HWUDL-P1 allows you to enjoy VoIP conversations via wired phone or DECT handset such as ZyXEL V250 or other DECT compliant device. This offers unprecedented flexibility and freedom for you to talk nonstop over high-speed broadband connections.

Save on Phone Bills

By routing calls through PSTN or VoIP network flexibly, economical calling plans can be made to minimize phone tolls by leveraging low-cost IP telephony. For example, users can make long-distance calls to the P-2302HWUDL-P1 through Internet VoIP, and switch to traditional PSTN for local access.

Storage for File Sharing

The P-2302HWUDL-P1 is equipped with two high-speed USB 2.0 interfaces for hard drives or memory disks to share the files, music and pictures to others over the LAN or WLAN; in addition, the printer server function enables a USB printer to serve all family/office computers through wired or wireless Ethernet without complicated cable wirings.

Security and Protection

The P-2302HWUDL-P1 provides both wired and wireless security and protection. Based on Stateful Packet Inspection, it provides the first-line defense against hackers, network intruders, and other malicious threats. Furthermore, technologies like WPA2 and 802.1x authentication can also effectively keep confidential user data from unauthorized access.

802.11g Wireless
VoIP Station Gateway

P-2302HWUDL-P1



VOIP



Specifications

System Specifications

Router

- TCP/IP
- NAT (includes multi-to-multi NAT)/SUA, 2048 NAT sessions
- DNS Proxy and Dynamic DNS
- DHCP client/server/relay and PPPoE
- NTP—Network Time Protocol
- Major ALG (SIP/FTP/H.323)

Firewall Security

- Stateful Packet Inspection
- Content Filtering, Java/ActiveX/Cookie/Keyword blocking

Management

- Remote TFTP/HTTP Firmware Upgrade
- Web-based and Telnet Management
- Support TR-069 (Optional)
- SNMP v1 and v2 with MIB II

Wireless

- IEEE 802.11b/g Compliance
- Support IEEE 802.1x, external Radius server: EAP-MD5, TLS, TTLS, PEAP
- WPA, IEEE 802.11i, WPA2

DECT Station

- Up to 6 handsets can be subscribed to a base station
- Range:
 - Outdoor: 250 Meters
 - Indoor: 50 Meters
- GAP (Generic Access Profile) Standard and DECT Standard Compliant

USB 2.0

- Supports FAT, FAT32
- Print Server (Multiple Function Printer Not Supported)

QoS

- VLAN Tagging Support
- TOS and DiffServ Tagging
- MBM (Media Bandwidth Management)

Voice

- SIP v2 (RFC 3261) and SDP (RFC 2327)
- G.711a/μ, G.729 a/b
- G.726 (16/24/32/40 kbps)*
- G.723.1 (6.3 kbps, 5.3 kbps)(Optional)
- Echo Cancellation: G.168
- VAD (Voice Activity Detection), Silence Suppression and CNG (Comfort Noise Generation)
- DTMF Detection and Generation
- Fax, Modem Detection and Pass-through*

Phone Features

- Caller ID and Message Waiting Indicator (RFC 3842)
- Call Waiting, Call Hold, Call forward and Call transfer (Blind and Attended Transfer)
- Early Media, Music on Hold and Do Not Disturb (DND)
- Three Way Conference

FXO

- Relay Emergency Call to PSTN and Dial a PSTN Call by Pre-fix Number

- PSTN Relay when Power Down/SIP register fail (FXS1 Only)
- Forward Calls between PSTN and VoIP—Disable/Enable/Enable with PIN Authentication

NAT Traversal

- STUN (RFC 3489)
- Outbound Proxy
- Manual configured SIP and RTP

Hardware Specifications

- One Ethernet WAN Interface, 10/100M Auto MDI/MDIX
- Built-in 4-port Switch auto MDI/MDI-X 10/100M Ethernet RJ45 ports
- Two FXS POTS phone ports for conventional phones
- One FXO POTS Lifeline Relay
- Embedded DECT Station
- Two USB 2.0 Master interface for file sharing and Network Printer
- Embedded wireless 802.11b/g Access Point
- Restore Factory Defaults/Reboot button

Physical Specifications

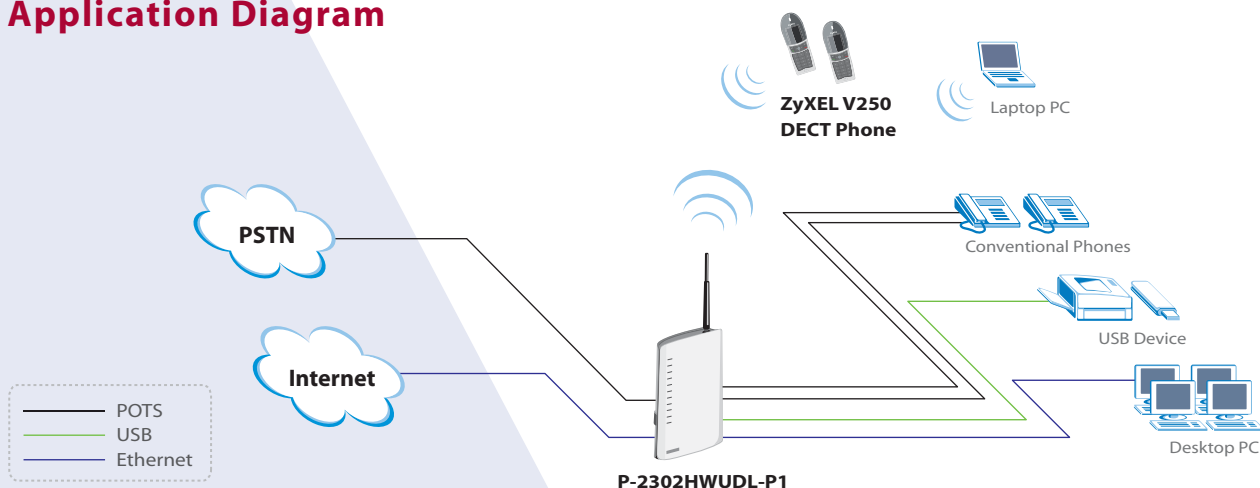
- Dimensions: 56.5 (W) x 147.5 (D) x 215.5 (H) mm
- Weight: 464 g

Environmental Specifications

- Operating Temperature: 0°C ~ 40°C
- Operating Humidity: 20% ~ 95% RH

* Firmware upgradeable for future enhancement

Application Diagram



For more product information, visit us on the web www.ZyXEL.com