

VoIP Products

Prestige 2602HW/HWL Series

Prestige 2002 Series

P-2302R/RL Series

P-2000W_v2 (Nieuw)

P-2602R (Nieuw)

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Prestige 2602HW/HWL Series**802.11g Wireless ADSL VoIP IAD**

ZyXEL's P-2602HW series is a powerful, all-in-one ADSL VoIP IAD (Integrated Access Device) for SOHO and SMB applications. The IAD integrates high-speed ADSL access, 4-port Ethernet switch, IEEE 802.11g high-speed wireless connectivity, and 2 POTS ports for Voice over IP functionalities.

Based on industry open standard- SIP signaling and sophisticated voice compression technology, the P-2602HW series offers smooth IP-based voice communication with superb sound quality. It allows customers to take advantage of many new and existing IP Telephony features.

Not only does ZyXEL's P-2602HW series feature Firewall and VPN as an ADSL security gateway, but also provides high-speed wireless connectivity with IEEE 802.11g wireless standard compliance.

Scalable, cost-effective and easy-to-use, ZyXEL's P-2602HW is the ideal data and voice communication solution to meet the business needs of today and the future.

Benefits**Higher-speed Internet Access and Maximum Freedom of Mobility**

ZyXEL's P-2602HW is a high performance ADSL/ADSL2/ADSL2+ gateway that allows small and medium offices to have higher-speed Internet access, offering higher data transfer rates and better bandwidth than traditional ADSL enabled gateways. Furthermore, with an IEEE 802.11g wireless AP built-in, the P-2602HW offers maximum freedom of mobility with 54Mbps transmission speeds, higher than the current IEEE 802.11b wireless standard.

Supports Open Standard

ZyXEL's P-2602HW series supports standard SIP (RFC 3261), which is suitable for IP telephony service deployment and addresses the needs of users who are connecting to emerging SIP-based communication networks.

Robust Firewall Security and Enhanced VPN Performance

Based on Stateful Packet Inspection and Denial of Service (DoS), ZyXEL's P-2602HW series provides state-of-the-art Firewall performance and robust security to defend against hackers, network intruders, and other hazardous threats. Furthermore an ASIC DES accelerator enhances VPN performance to levels higher than ever before.

Multiple SIP and Voice Channels

Based on ZyXEL's flexible VoIP technology platform, one or more SIP phone number may be configured with the P-2602HW. Each SIP phone number can be freely assigned to either phone port individually, or to both ports at the same time.

By using ZyXEL's P-2602HW ADSL VoIP IAD to deploy VoIP service, service providers need only provide a minimum of one SIP number to each subscriber. Billing and service deployment are simplified by allowing subscribers to use two phones with the same SIP number. If one telephone is in use, users may use a secondary telephone to place a call while using the same SIP number. Additionally, users may also receive incoming calls even when the SIP number is in use. The advantages of the P-2602HW include increased traffic and service revenue.

Lifeline Support (P-2602HWL)

"PSTN Lifeline" feature allows users to switch to the standard phone line in case of power or Internet outage. Thanks to the friendly design of P-2602HWL, VoIP service subscribers can place calls just like using a PSTN phone.

Models

- P-2602HW-61 802.11g Wireless ADSL 2+ VoIP IAD over POTS
- P-2602HW-63 802.11g Wireless ADSL 2+ VoIP IAD over ISDN
- P-2602HWL-61 802.11g Wireless ADSL 2+ VoIP IAD over POTS with Lifeline Support
- P-2602HWL-63 802.11g Wireless ADSL 2+ VoIP IAD over ISDN with Lifeline Support



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ZyXEL



All-in-one ADSL 2+ VoIP IAD for SOHO

- ADSL, ADSL2/2+ support
- SIP (RFC3261) support with 2 phone ports for VoIP
- Advanced security features: SPI Firewall, IPsec VPN
- Support QoS to prioritize voice and data traffics
- Auto Provisioning for easy deployment



Benefits

All-in-one ADSL VoIP IAD

ZyXEL P-2602H/HW/HWL Gateway Series is an integrated Internet access device supporting high-speed ADSL, ADSL2 and ADSL2+ standard over existing copper lines.

Combining convenient Wireless AP (optional), Ethernet switch, Firewall and VoIP gateway features, it is indispensable for homes and small offices with limited space and technical expertise.

Flexible Phone Features

With two built-in phone ports and flexible calling features, ZyXEL P-2602H/HW/HWL not only empowers ITSP to enjoy better profitability from flexible phone number assignment, but also offers unprecedented flexibility for users to talk unlimitedly through high-speed broadband connection.

Advanced Security Features

Based on Stateful Packet Inspection and Denial of Service (DoS) technologies, the P-2602H/HW/HWL provides state-of-the-art firewall performance and robust protection against hackers, network intruders and other malign threats. Furthermore, the standard-based IPsec VPN ensures secured data transmission for site-to-site and remote access deployment. Since data sent by P-2602H/HW/HWL over the Internet can be encrypted, users is free to use the ADSL2/2+ line to replace private leased lines or frame relay networks, allowing global interconnectivity at minimal expense.

Lifeline Support (P-2602HWL)

"PSTN Lifeline" feature allows users to switch to the standard phone line in case of power or Internet outage. Thanks to the friendly design of P-2602HWL, VoIP service subscribers can place calls just like using a PSTN phone.

ADSL 2+ VoIP IAD

P-2602H
/HW/HWL



VOIP



ADSL 2+ VoIP IAD

P-2602H
/HW/HWL

Specifications

Voice Codec

- G.711
- G.729

Voice Feature

- SIP (RFC 3261) version 2
- SDP (RFC 2327)
- RTP/RTCP (RFC1889, 1890)
- Echo Cancellation: G.168
- VAD (Voice Activity Detection)
- Silence Suppression
- CNG (Comfort Noise Generation)
- Dynamic Jitter Buffer (Adaptive)
- DTMF Detection and Generation
- DTMF: In-Band and Out-of-Band (RFC2833), (SIP INFO)
- Fax Tone Detection and Pass-through
- Modem Tone Detection and Pass-through
- T.38 FAX Relay*
- CLID
- Call Waiting*
- Call Forward*
- Three way conference*
- MWI*
- Flash Hook Timer*
- Multiple SIP Accounts Freely assignable to Each Phone Port

QoS

- Diffserv
- Voice priority always guaranteed.
- Media Bandwidth Management (MBM)*
- E to E QoS mechanism (depends on service providers' network)

ADSL Compliant

- Support Multi Mode Standard (ANSI T1.413 Issue 2, G.dmt, G.lite)
- ADSL2 G.dmt.bis (G.992.3)*
- ADSL2 G.lite.bis (G.992.4)*
- ADSL2+ (G.992.5)*
- Reach Extended ADSL (RE ADSL)*

ATM Support

- 8 PVCs Support
- RFC 1483/2684 Multiple Protocol over AAL5
- RFC 2364 PPP over AAL5
- RFC 2516 PPP over Ethernet
- VC and LLC Multiplexing
- Traffic Shaping UBR, CBR, VBR
- ATM Forum UNI 3.1/ 4.0 PVC
- I.610 OAM F4/F5 loop-back, AIS, and RDI OAM cells
- TR-048

Routing Support

- IEEE 802.1d Transparent Bridging
- IP Routing: TCP, UDP, ICMP, ARP
- RIP1v1 and RIPv2
- IP Multicast IGMP v1/v2

IP Management

- SUA/Multi-NAT Internet Sharing
- Multimedia Support
- DHCP Server/Relay/Client
- DNS Proxy
- Dynamic DNS
- UPnP Support

Wireless LAN (P-2602HW/HWL)

- IEEE 802.11g/11b Compliance
- Data Rates up to 54Mbps, Auto Fallback
- 64/128/256bits WEP Encryption
- MAC Address Filtering
- IEEE 802.1x Port-based Authentication
- One non-detachable Antenna

Firewall Security

- Stateful Packet Inspection
- Prevent DoS Attack
- Access Control of Service
- Content Filtering
- IP & Generic Packet Filtering
- Real-time Attack Alert and Logs

Virtual Private Network

- 20 IPSec VPN Tunnels
- IKE and Manual Key Management
- AH and ESP Protocol
- DES, 3DES and AES Encryption
- SHA-1 and MD5 Authentication
- Tunnel and Transport Mode Encapsulation

Network Management

- Web based Configuration
- Command-line Interpreter (CLI)
- Telnet Remote Management
- SNMP Support
- FTP/TFTP firmware upgrade and configuration backup/restore
- Built-in diagnostic tool

PSTN Lifeline Support (Optional)

- Send Emergency Call to PSTN
- Make a PSTN Call by Dialing Pre-fix Number
- PSTN Relay when Device Power Down
- PSTN Relay when VoIP Service is Not Available
- Receive Incoming PSTN Phone Call

Hardware Specifications

- ADSL:
 - RJ-11 for P2602HW over POTS
 - RJ-45 for P2602HW over ISDN/UR2
 - RJ-45 for P-2602HWL over POT/ISDN/UR2
- LAN:
 - Four Ports 10M/100M Auto MDI/MDIX Ethernet Switch
 - Phone: Two RJ-11 Ports for Analog Service Connection
- Reset Button
- Status LEDs Indicator
- Power: 18V DC 1A Switching Power Supply

Physical Specifications

- Dimensions : 248mm(L)x 168mm(D)x 37mm (H)
- Weight: 642g

Environmental Specifications

- Temperature: 0°C ~ 40°C
- Humidity: 20% ~ 85 % (non-condensing)

Product Description

P-2602H-61C	ADSL 2+ VoIP IAD over POTS
P-2602H-63C	ADSL 2+ VoIP IAD over ISDN
P-2602H-67C	ADSL 2+ VoIP IAD over U-R2
P-2602HW-61C	802.11g Wireless ADSL 2+VoIP IAD over POTS
P-2602HW-63C	802.11g Wireless ADSL 2+ VoIP IAD over ISDN

P-2602HW-67C	802.11g Wireless ADSL 2+ VoIP IAD over U-R2
P-2602HWL-61C	802.11g Wireless ADSL 2+ VoIP IAD over POTS with Lifeline Support
P-2602HWL-63C	802.11g Wireless ADSL 2+ VoIP IAD over ISDN with Lifeline Support
P-2602HWL-67C	802.11g Wireless ADSL 2+ VoIP IAD over U-R2 with Lifeline Support

* Firmware upgradeable for future enhancement

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

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