

ZyXEL

Voice/Data Integrated Access Solution for Residential Users



- ADSL, ADSL2/2+ support
- SIP (RFC3261) Support with 2 phone ports for VoIP
- Support QoS to prioritize voice and data traffics
- Auto Provisioning for easy deployment

Benefits

Faster Internet Access

ZyXEL P-2602R Series is an integrated Internet access device supporting high-speed ADSL, ADSL2 and ADSL2+ standard over existing copper lines. With speed of up to 12Mbps (ADSL2) or 24Mbps (ADSL2+), the P-2602R Series offers higher data transfer rates and better bandwidth utilization than traditional ADSL gateways. The Series also supports RE ADSL (Reach Extended ADSL) for better performance at greater distance as the key link between today's communications needs and tomorrow's converged services.

Flexible Phone Features

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

Effective Bandwidth Management

The P-2602R enables network administrators to allocate network resources effectively while guaranteeing Quality of Service (QoS). With QoS management features, time-sensitive applications such as VoIP and multimedia can operate more efficiency, and it always ensures the voice quality even other bandwidth-consuming applications like FTP or P2P are running simultaneously.

Easy-to-Deploy, ZyXEL-Exclusive Auto Provisioning Solution

The ZyXEL Auto Provisioning Solution is a set of mechanisms designed exclusively for ZyXEL's ADSL VoIP IAD for highly automatic provisioning. It gives service providers a complete centralized management and auto-provisioning scheme to reduce costs and to have more control over subscriber activities. Better yet, it also relieved end users from the hassle of configuring complicated CPE devices.



ADSL 2+ VoIP IAD

P-2602R

VOIP



Specifications

System 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 Rely*
- CLID
- Call Waiting*
- Call Forward*
- Three way conference*
- MWI*
- Flash Hook Timer*
- Multiple SIP Accounts Freely assignable to Each Phone Port

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

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

QoS

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

Hardware Specifications

- ADSL: One RJ-11 or RJ-45 Port
- LAN: 1x 10/100M Auto MDI/MDIX
- Phone: 2x FXS port.
- Reset Button
- Status LEDs Indicator
- Power: 12V AC

Physical Specifications

- Dimensions: 180 (L)x 128(D)x 36 (H) mm
- Weight: 400 g

Environmental Specifications

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

* Firmware upgradeable for future enhancement

Product description:

P-2602R-61 ADSL2+ VoIP IAD over POTS

P-2602R-63 ADSL2+ VoIP IAD over ISDN

P-2602R-67 ADSL2+ VoIP IAD over U-R2

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

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