ZyXEL

ZyXEL green
www.zyxel.com/green

Plug-and-Talk VoIP Gateway for Quality Telephony Networks

- A wide range of voice codecs
- Supports a rich call feature set and lifeline
- Provides auto-provisioning for remote management
- Ensures simultaneous voice and data communication quality
- SIP server customization and softswitch compatibility

Benefits

Advanced call features, lifeline and voice codec support

With the plug-and-play design, ZyXEL's VoIP Gateway Series encourages users to install the unit by themselves to help service providers saving installation costs. By simply plugging the Ethernet cable into the VoIP gateway and connecting it to a regular phone, users can easily take advantage of subscribed VoIP services such as caller ID, call waiting, call holding/resuming, call transferring, call forwarding, 3-way conference and lifeline, among others. In addition, ZyXEL's VoIP gateway provides supports to various voice codecs such as G.711, G.723.1, G.726 and G.729A/B to ensure audio transmission quality.

Remote management through auto-provisioning

Auto-provisioning allows the Service Providers/Telcos to employ remote management for efficient trouble-shooting accessibility and to reduce system setup costs. Without a huge equipment investment, operators can utilize HTTP, FTP or TFTP to centralize online configuration for the VoIP gateway deployment.

Integrated routing function for simultaneous voice and data communication

In addition to rich supports for VoIP services, the ZyXEL VoIP Gateway Series also offers an integrated routing function. Therefore, voice and data can be transmitted in parallel to sustain stable voice communications.

SIP server customization and soft switch compatibility

ZyXEL's VoIP Gateway Series is flexible enough for customization to meet service providers' needs; and it is capable of eliminating interoperability issues effectively and reducing maintenance costs for Service Providers and Telcos.

VoIP

P-2701RL
P-2702R
VoIP Gateway

ZyXEL

P-2701RL
P-2702R
VoIP Gateway

Specifications

System Specifications

Voice Codecs

- G.711, G.723.1 (5.3 Kbps/6.3 Kbps), G.726 (16, 24, 32, 40 Kbps), G.729A/B

Call Features

- 3-way conference
- Call hold/resume, call forwarding, call waiting and call transfer
- DND (Do Not Disturb)
- Caller ID display
- MWI (Message Waiting Indicator)
- IVR (Interactive Voice Response)

FAX over IP

- G.711 FAX pass through
- T.38 FAX relay

DTMF Method

- PCM/RFC 2833/SIP INFO

Phone Feature Support

- VAD/CNG
- G.168 echo cancellation
- Dynamic jitter buffer
- Volume gain adjustment

Voice Protocol

- SIP v2 RFC 3261 compliance
- SDP RFC 2327
- STUN RFC 3489

Security

- Firewall
- Content filter
- MAC filter

Router IP Setting

- Static IP/DHCP/PPPoE/PPTP

Management and Provisioning

- HTTP/TFTP/FTP
- TR-069/TR-104

Hardware Specifications

- WAN: One RJ-45 10/100 Mbps Fast Ethernet port
- LAN: One RJ-45 10/100 Mbps Fast Ethernet port
- P-2701RL: One RJ-11 FXS port and One RJ-11 FXO port
- P-2702R: Two RJ-11 FXS ports
- One reset button
- LED indication
  - P-2701RL: Power, Phone, Lifeline, WAN and LAN
  - P-2702R: Power, Phone 1, Phone 2, WAN and LAN
- Power supply
  - Input: 100 V ~ 240 VAC, 50/60 Hz
  - Output: DC 12 VDC, 1.5 A
  - Power consumption: 18 W max.

Physical Specifications

- Item weight: 110 g (0.24 lb)
- Item dimensions:
  86 (W) x 75 (D) x 21 (H) mm
  (3.38 (W) x 2.95 (D) x 0.83 (H) inch)
- Packing weight: 453 g (1 lb)
- Packing dimensions:
  229 (W) x 144 (D) x 65 (H) mm
  (9.01 (W) x 5.67 (D) x 2.56 (H) inch)

Environmental Specifications

- Operating environment:
  - Temperature: 0°C ~ 40°C/32°F ~ 104°F
  - Humidity: 20% ~ 90% (non-condensing)
- Storage environment:
  - Temperature: -30°C ~ 70°C/-22°F ~ 158°F
  - Humidity: 20% ~ 95% (non-condensing)

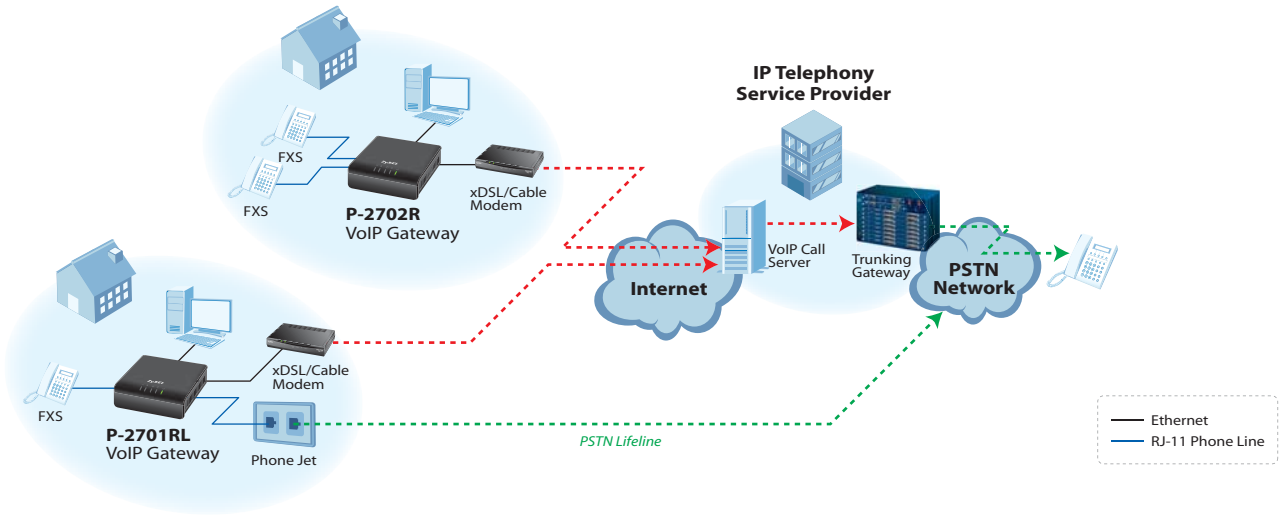
Certifications

- EMC & Safety: CE, FCC

Package Contents

- VoIP gateway
- Support CD
- Warranty card
- Power adapter
- Ethernet cable

Application Diagram



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