ZyXEL

Enjoy the Benefits of VoIP, Wirelessly

- **Mobility with IEEE 802.11b wireless standard compliance**
- **High voice quality with low communication cost**
- **Support Auto Provisioning for ease of deployment**

Benefits

Mobility and Availability

The call control protocol of the P-2000W_v2 is based on SIP v2 (Session Initiation Protocol version 2, RFC 3261) open standard, which is interoperable with major SIP-based call servers, IP-PBXs, and other standard SIP-based client devices. The P-2000W_v2 is compliant with the IEEE 802.11b standard and interoperates with any existing 802.11b or 802.11g wireless AP and gateway. It may be used as a cordless handset for residential users or for business users in an office environment. The small form factor of the handset is easy to transport and allows users to place VoIP phone calls in public 802.11-based environment.

High Voice Quality with Low Communication Costs

The P-2000W_v2 is capable of tagging features that support a service provider's QoS (Quality of Service) planning, such as ToS (Type of Service). It allows gateways or central side equipment to identify and prioritize voice and data traffic. By supporting G.711 and G.729 voice compression technology, the P-2000W_v2 effectively reduces bandwidth consumption caused by voice traffic.

Travel Charger Design for Mobile Users

The P-2000W_v2's travel charger design makes it easier for users to carry and use the phone in different site. The mobile phone style design also let user to have similar and better experience to use VoIP service.

Direct IP-to-IP Call and Ad-hoc Intercom Mode Support

By configuring a remote IP address in the built-in phone book, the P-2000W_v2 provides a direct IP-to-IP call feature when there is no intermediate SIP proxy server available in the network. The P-2000W_v2 can also establish an 802.11 ad-hoc network (computer-to-computer network without Access Point), which allows users to use the handsets as wireless intercoms.

VoIP Wi-Fi Phone

P-2000W_v2

2.4GHz 802.11 | 64/128bit WEP | Web-based Configuration

VOIP

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Specifications

Wireless

- IEEE 802.11b support
- Frequency band: 2.400 ~ 2.4835GHz
- Channel: FCC Ch1 ~ 11, ETSI Ch1 ~ 13, Japan Ch1 ~ 14
- Data rate: 11/5.5/2/1Mbps
- Output power: 17.06 dBM
- Sensitivity: -82 dBm@11Mbps
- Operating range: Out-door up to 300m, In-door up to 75m
- 64/128 bit WEP encryption
- Support site survey and wireless profile

Voice

- Support open standard SIP v2 (RFC3261)
- SDP (RFC2327)
- RTP (RFC1889)
- RTCP (RFC1890)
- CODEC support: G711, G.729a
- G.168 echo cancellation
- Silence suppression
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)
- Message Waiting Indicator
- Built-in phone book
- QoS support TOS/DiffServ
- Standby time 13 ~ 24 hour (Depend on wireless environment)
- Talk time 3.2 ~ 4 hour

NAT Traversal

- Outbound proxy
- STUN (RFC 3489)
- Manual configured WAN and SIP address

Network

- IP address assignment: Fixed IP, DHCP client, PPPoE
- HTTP, TFTP, TCP, UDP, DNS, ARP, ICMP

Management

- LCD screen displayed menu and keypad settings
- Built-in Web Configurator
- Support secured HTTP Auto-Provisioning

Physical Specifications

- Dimensions: 127(W) x 45.7(D) x 20(H) mm
- Weight: 105g

Hardware Specifications

- Notification: Ringer, Vibration
- Display: Mono-LCD, 112 x 64 dots
- Buttons: 0 ~ 9, *, #, 11 functional keys
- Port: One ear-phone jack, one USB-type connector for charger
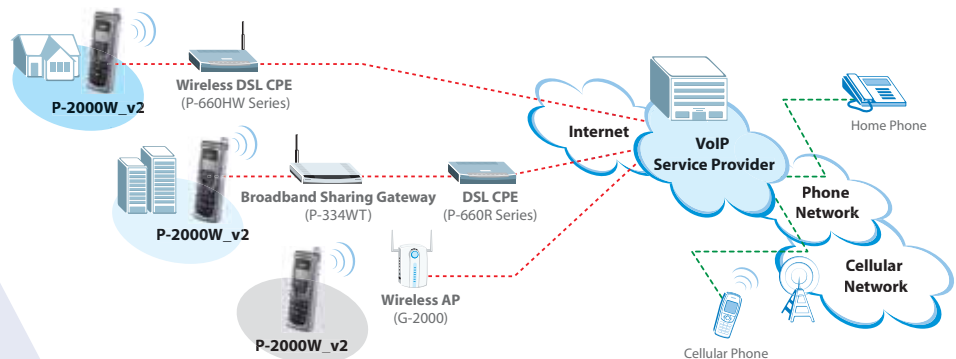- Battery: 3.7V, 1350mAh

Operation Environment

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

System Requirement

- Available 802.11b or 802.11g access point
- High-speed Internet connectivity
- A CD-ROM drive
- Windows 98SE, ME, 2000, or XP

Application Diagram

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

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