



Wi-Fi Phone WP-588 Wireless VoIP phone

IEEE 802.11 b/g Compliance

SIPv2 RFC3261 compliance

Mobility VoIP phone call by SIP/Skype

IP surveillance terminal

Graphic Color LCD



PRODUCT DATA

Welltech Computer Co., Ltd. was founded in 1988 in Taipei, Taiwan with the aim of linking people and the technologies, and has been an integral part of the community for over a decade. Our company is committed to promoting better Communications and Networking solutions to our customers through our strong knowledge and expertise in Voice over IP.

As the leading company in VoIP in Taiwan and with years of experience in H.323 and SIP protocol, Welltech has successfully developed FXO and FXS gateways, IP-Phone, E1/T1 Trunk gateway, SIP Proxy Server, Value added service server, USB phone and softphone and become a VoIP expert.

The voice quality and total solution providing ability are the reason why Welltech VoIP products are very popular in the market. From CPE side small gateways to CO side Solution, Welltech provided total VoIP solution to SOHO, multi-national corporations (MNCs), ITSP and carrier market. The new product, router integrated with voice over IP functions that support SIP protocol, is compliance with future communication trade.

PRODUCT DATA

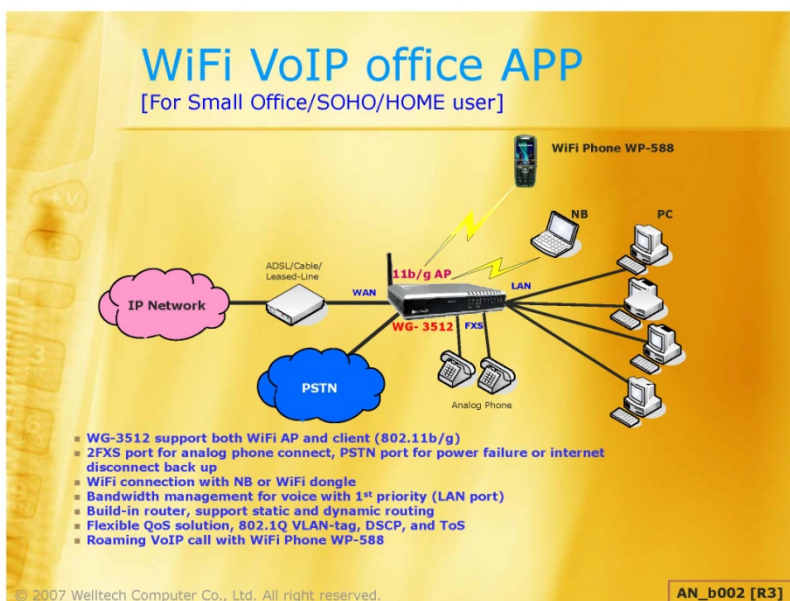
Introduction

Welltech WP-588 Wi-Fi Phone enables high-quality voice over IP (VoIP) service through a Wireless-B/G network and high-speed Internet connection. Connect at home, your office, or at a public hotspot, and make low-cost phone calls through your Internet Telephony Service Provider (ITSP). The WP-588 Wi-Fi phone supports IEEE 802.11 b/g, VoIP SIP protocol (RFC3261), and rich telephony features. Bar-type design and equipped with MPEG4/JPEG decode. Support Skype communication through specific software and can be used as a handheld IP surveillance terminal.

Benefits

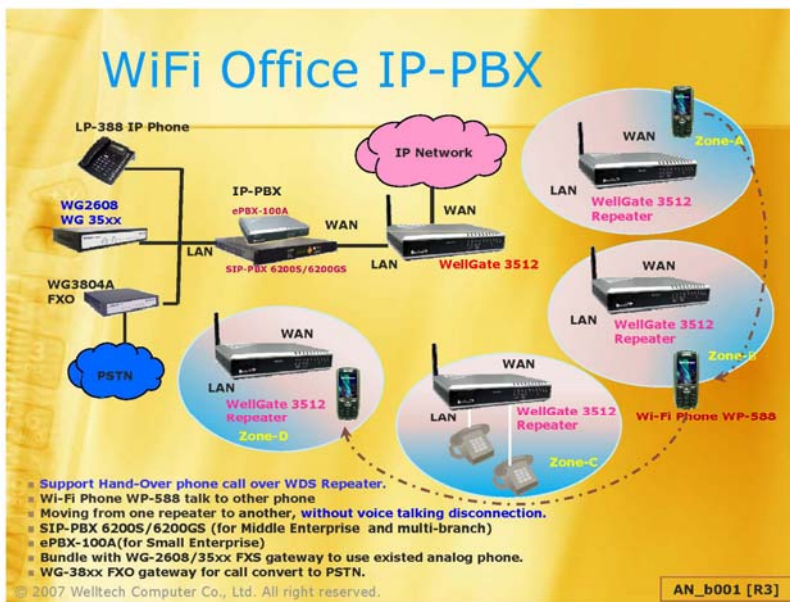
- **IEEE 802.11 b/g Compliance**
- **SIPv2 (RFC3261) compliance.**
- **Graphic Color LCD and Equipped with MPEG4/JPEG decode.**
- **Be able to use as a handheld IP surveillance terminal.**
- **Combine to IP-PBX system for roaming talk @ office.**
- **Welltech proprietary SIP/Skype gateway for dual communication over SIP and Skype.**
- **Superb design for HOME, SOHO, and SMALL Office.**
- **Charging by USB and Power Adaptor with USB type A socket.**
- **Bar-type and mobile phone-like design, familiar with operating behavior.**
- **Quick Operating Mode, free and easy to set the most suitable mode for different occasion.**

Application



PRODUCT DATA

Application



Physical Interface

LCD Module:

- Display Format: Graphic 170*220 pixords
- View Size: 2"
- LCD Type: 16 bits color TFT
- Language: English
- Backlight

Keypad:

- Number Key: 0~9
- Unlock Key (#)
- Asterisk key (*)
- Volume Adjustment Key: Down (-), Up (+)
- Power on/off and End key
- Answer/Send key
- Menu and select key
- Left key
- Right key

Power Jack (Specified)

Receiver (Speaker) / Microphone

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Specification

Internet Protocol

- IPv4 (RFC 791)
- MAC Address (IEEE 802.3)
- TCP/UDP (RFC 793/768)
- ARP (RFC 826)
- SDP ((RFC 2327)
- Static IP (WAN)
- DHCP Client (RFC 2131)
- DNS Client
- STUN Client for NAT Pass Through
- HTTP 1.0
- SNTP Client (RFC 2030)
- Quality of Service
 - TOS: Type of Service(RFC791/1349)
 - DSCP (RFC 2475)

Wireless LAN

- Standard: IEEE 802.11 b/g compliant
- Frequency Band: 2.400~2.497GHz (B/G)
- SSID / Broadcast SSID
- Channel: FCC Ch 1-11, ETSI Ch1-13, and Japan Ch1-14
- Data Rate Frequency: 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54Mbps
- Output Power: 14±1dBm
- Sensitivity: -82dBm @11Mbps
- Site Survey: Scan Available APs in handset's environment
- Operating Rang: Outdoor upto 300M / Indoor upto 75M
- 802.1x Encryption and Authentication
 - WEP (64/128bits)
 - WPA-PSK/TLS/TTLS/PEAP(TKIP/AES)
 - WPA2-PSK/TLS/TTLS/PEAP(TKIP/AES)
 - User Certificate (Radius)
 - Root Certificate (Radius)

Multiple AP Profile

Support WMM QoS and WMM Power Save

IP Telephony (VoIP)

SIPv2 (RFC 3261):

- Outbound proxy setting for increasing performance, productivity, and security.
- Session Timers in the Session Initiation Protocol (SIP)-RFC4028
- A Privacy Mechanism for the Session Initiation Protocol (SIP)-RFC3323

Voice Codecs:

- G.711 (a-Law/u-Law)
- G.723.1
- G.729
- iLBC-20

VAD – Voice Activity Detection with Silence Suppression

CNG – Comfortable Noise Generation

G.168 Acoustic Echo Cancelation

Adaptive Jitter Buffer

DTMF Relay: In-band and Out-of-band (RFC 2833)

Caller ID Display

Tone / Vibrator Generation:

- Ring Back Tone
- Busy Tone
- Waiting Tone

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Specification

- Polyphony Ring tone
- Vibrator

Volume Adjustment: Speaker / Ring Tone

Call Features:

- Call Hold/Retrieve
- Call Transfer
- Call Forward (Unconditional/No Answer/Busy)
- Call Waiting
- Redial
- Mute
- Speed Dial
- Call History

Phone Book

Short Message

Skype Phone:

- ◆ Skype Gateway (Through Welltech Proprietary SIP/Skype Gateway)
- ◆ Skype Buddy List to Connect Skype Agent

IP Camera Connecting:

- Work as IP surveillance terminal
- Support ISMA-Compatible IP Camera

IPTV (option)

Internet Radio (option)

MIC Earphone (option)

Quick Operating:

- General Mode
- Vibrator Mode
- Ringer Mode
- Silence Mode
- Key Lock

Battery

- Rechargeable Li-ion Battery
- Li-ion Charger Controller for automatic Charging
- Talking Time: 3-4 hours
- Standby Time: 70-80 hours

Power Charging

- USB Charging
- AC Adapter Charging

Security

802.1x Wireless Encryption and Authentication
MD5 for SIP authentication (RFC 2069 / 2617)
Password protected Admin access authority

Setting and Maintenance

- Setting & Update via Web Browser (HTTP) / LCD
- Access password setting and change
- Status indication:
 - SIP Status
 - WLAN Status
 - IP Status
 - Version information
- Date & Time: SNTP and manual setting



Model No. WP-588

PRODUCT DATA

Environmental

Dimension: 45(W)*125 (H)*22 (D) mm

Unit Weight: 80g (Battery Included)

Operating Temp. & Humidity

- Temp.: 0°C~45°C (32°F~113°F)

- Humidity: 10%~85% relative humidity, non-condensing

AC Power Adaptor(with USB type A socket):

- INPUT: AC100V~240V, 50-60Hz

- OUTPUT: DC 5V, 1.0A

Rechargeable Li-ion Battery: 3.7V / 700mAh or 900mAh

Regulatory: FCC (Part 15, Class B) & CE Processing

Disclaimer

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