# Yealink W79P Pro Datasheet

## Yealink DECT IP Phone

The Yealink W79P Pro, a high-performance SIP cordless phone system, can register 10 Yealink ruggedized DECT W59R Pro handsets and keep them stable in complicated and harsh locations. Featuring more functions, lines, and mobility, it supports up to 10 SIP accounts and 20 simultaneous calls, with integrated Bluetooth and vibration alarm to provide a stable and good experience for your mobile communications.

You can enjoy crystal-clear voice calls because of the new Noise Cancellation technology. W79P Pro consistently delivers excellent and professional audio quality in both high-bandwidth and poor network conditions. It brings seamless call management for users by combining DECT technology with SIP capabilities, and you can also talk on the phone while walking. You can enjoy the convenience of wireless communication anytime, anywhere, and the extensive benefits and feature richness of IP voice phones.

The Yealink DECT IP phone W79P Pro supports efficient provisioning and effortless mass deployment with Yealink’ s Redirection and Provisioning Service (RPS) and Boot mechanism to help you realize the Zero Touch Provisioning without any complex manual settings, which makes it simple to deploy, easy to maintain, and upgrade, saving even more time and IT costs for businesses.







## Key Features and Benefits

- High-performance SIP cordless phone system
- 2.4" 240 x 320 TFT color screen with intuitive user interface
- Up to 20 simultaneous calls
- Up to 10 DECT cordless handsets
- Up to 10 SIP accounts

- IP67 Ruggedized DECT Handset
- Noise Reduction System
- FNR (Flexible Noise Reduction)/Noise Cancellation
- Up to 28-hour talking time (in ideal conditions)
- Up to 320-hour standby time (in ideal conditions)
- TLS and SRTP security encryption
- Headset connection via Bluetooth
- Alarm function
- Vibration
- Charger wall mountable
- Energy-saving ECO features
- DECT technology: Yealink DECT technology focuses on high-quality Audio VoIP (wideband) and bit-rate data applications. However, we are incompatible with third-party DECT devices (base station, handset, etc.).

# Specifications

| Specifications | Description |
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| **Phone Features** | • Up to 20 simultaneous calls<br>• Up to 10 handsets<br>• Up to 10 SIP accounts<br>• Up to 2 simultaneous calls per handset<br>• Up to 6 repeaters per base station (RT30)<br>• Vibration alarm<br>• Alarm functions: push-button/no-movement/man-down/running<br>• Handset selection for receiving a call<br>• Handset and number selection for placing a call<br>• Paging, intercom, auto answer, dial plan<br>• Call hold, call transfer, 3-way conference<br>• Switching between calls<br>• Call waiting, mute, silence, DND<br>• Caller ID with name and number<br>• Anonymous call/Anonymous call rejection<br>• Call forward: Always/Busy/No Answer |

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| | • Speed dial/Voice mail/Redial<br>• Message Waiting Indication (MWI)<br>• Music on hold (server-based)<br>• Local phonebook for up to 1000 entries (store in the base)<br>• Remote phonebook/LDAP/XML phonebook<br>• Phonebook search/import/export<br>• 100 call history per handset: All/Placed/Missed/Received<br>• Direct IP call without SIP proxy<br>• Reset to factory, reboot<br>• Keypad lock, emergency call<br>• BroadSoft directory, BroadSoft call log<br>• Broadworks feature key synchronization<br>• Shared Call Appearance (SCA)<br>• XML browser<br>• Action URI |
| **Personalization** | • 9 ringer melodies<br>• Screen saver<br>• Multilingual user interface |
| **Management** | • Auto-provision via TFTP/FTP/HTTP/HTTPS/RPS<br>• Auto-provision with PnP<br>• Handset upgrade: OTA (Over-The-Air)/No Perception Upgrade<br>• Configuration: browser/phone/auto-provision<br>• Trace package and system log export |
| **Audio Features** | • Full-duplex speakerphone<br>• Hearing Aid Compatibility (HAC) compliant<br>• FNR (Flexible Noise Reduction)/Noise Cancellation<br>• Receiver volume control: 5 steps<br>• Ringer volume control: 5 steps+off<br>• Multiple advisory tones<br>• Acoustic warning for low battery status<br>• DTMF<br>• Wideband codec: AMR-WB (optional), G.722<br>• Narrowband codec: PCMU, PCMA, G.726, G.729, G.729A, iLBC |

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| | • VAD, CNG, AGC, PLC, AJB<br>• AEC<br>• Support VQ-RTCPXR (RFC6035), RTCP-XR |
| **Network Features** | • SIP v1 (RFC2543), v2 (RFC3261)<br>• SNTP/NTP<br>• VLAN (802.1Q and 802.1P)<br>• 802.1x, LLDP<br>• STUN Client (NAT Traversal)<br>• UDP/TCP/TLS<br>• IP assignment: Static/DHCP<br>• Support outbound proxy server backup |
| **Security** | • Open VPN<br>• Transport Layer Security (TLS)<br>• HTTPS (server/client), SRTP (RFC3711)<br>• Digest authentication<br>• Secure configuration file via AES encryption<br>• Support SHA256/SHA512/SHA384<br>• Three-level configuration mode: Admin/Var/User |
| **DECT** | • Frequency bands: 1880 – 1900 MHz (Europe), 1920 – 1930 MHz (US) |
| **Interface** | • 1 x RJ45 10/100M Ethernet port<br>• OTA, No Perception er over Ethernet (IEEE 802.3af), Class 1 |
| **Physical Features** | • Indoor Range: 50 m (in ideal conditions)<br>• Outdoor Range: 300 m (in ideal conditions)<br>• Battery: 3 × 3.7V 350mAh(1.295Wh), Lithium-ion<br>- Up to 28 hours of talk time (in ideal conditions)<br>- Up to 320 hours of standby time (in ideal conditions)<br>• 2.4'' 240 x 320 TFT color screen<br>• Desktop or wall mountable<br>• LCD backlight, key backlight<br>• Energy-saving ECO mode/ECO Mode+<br>• Backlight keypad with 26 keys:<br>- Standard ITU telephone keypad, 12 keys, 4x3, with star and pound/hash key<br>- 5 navigation keys (left, right, up, down, OK) |

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| | - 3 softkeys<br>- 6 function keys (Speaker, message, Off-hook, Cancel, TRAN, Mute)<br>- 4 side keys (volume up/down, alarm, push-to-talk)<br>- 7 shortcut keys<br>• Three LED indicators on W70B:<br>- 1 x Registration LED<br>- 1 x Network Status LED<br>- 1 x Power Indicator LED<br>• External Yealink AC adapter: AC 100-240 V Input and DC 5 V/600 mA Output<br>• Color:<br>- Handset: Black;<br>- Base: Classic Grey<br>• Handset size: 160 mm x 55.3 mm x 22 mm<br>• Base station size: 130 mm x 100 mm x 25.1 mm<br>• Operating humidity: 10-95%<br>• Handset operating temperature: 0 to 40°C (+32 to 104°F)<br>• Handset/Base station storage temperature: -30 to 70°C (-22 to 158°F)<br>• Base station operating temperature: -10 to +45°C (+14 to 113 °F) |
| **Package Features** | • Package contents:<br>- W59R Pro Handset with Belt Clip<br>- W70B Base Station<br>- Charger Cradle<br>- Rechargeable Battery<br>- Base Stand<br>- Ethernet Cable<br>- Decorative Cover<br>- Quick Start Guide<br>- Two Power Adapters<br>• Qty/CTN: 10 PCS<br>• Giftbox size: 205 mm x 182 mm x 95 mm<br>• Carton meas: 502 mm x 378 mm x 215 mm<br>• N.W: 8.14 kg<br>• G.W: 8.878 kg |

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| **Compliance** | CE FC RoHS REACH ISO 9001 broadsoft 3CX Asterisk® Compatible metaswitch |

Click here to go to the product introduction on the Yealink official website.