Yealink

W80

# Cordless DECT IP Multi-Cell System

The Yealink W80 DECT IP Multi-Cell System, consisting of two elements - a base station W80B and a DECT Manager W80DM, is designed to provide the organizations who require wireless coverage with the full ease of deployment. This DECT multi-cell system intends to create an extremely scalable and reliable solution for organizations of any size and shape. The system supports up to 100 handsets and 100 simultaneous calls, ensuring one call in each handset and allowing you to get rid of the limited wireless coverage of only one base station. Meanwhile, the system can work with Yealink W53H, W56H, W57R, W59R, W73H, W78H, WH62, WH63, CP930W, CP935W and DD Phone with seamless roaming and handover of the calls, making freely mobile communication in and between each zone achievable. Both W80B and W80DM join the modern, compact design with Yealink HD voice quality, which is wrapped with the full-duplex technology, that setting free your ears and giving you an elaborate audio experience.

DECT/SRTP/TLS | Cloud Contact/ LDAP/XML | Auto-P | HD Audio | Wall Mountable | Compatible with Multiple Devices



## Key Features and Benefits

### No Perception Upgrade
You can upgrade the W73H, W78H, W57R and W59R handsets with no perception. The upgrade of the handsets will be completed within two minutes. The channel will not be occupied during the firmware transmission, and the handsets can be used normally.

### Sync Level1 Base Backup
Yealink W80 DECT IP Multi-Cell System supports sync Level 1 base backup. When the Level 1 base goes offline, other bases in the system can be used as the backup Level 1 base, and the backup can be completed within one minute to replace the Level 1 Base so that the system can quickly maintain normal use.

### Headsets Registration
The Yealink W80 DECT IP Multi-Cell System supports the WH62/WH63 headset registration. It can be registered separately and used on W80B alone or paired with other handsets. After pairing, you can switch the handset and the headset to process the calls freely.

### Security & Stability
Based on Yealink DECT technology, W80 DECT IP Multi-Cell System provides you with both the stable call and the seamless roaming and handover. Wireless data transmission over-the-air is ensured by the DECT encryption and the wirelessly eavesdropping on a conversation is not possible either. At the same time, TLS and SRTP play a pivotal role in secure SIP communication. Pack Yealink W80 DECT IP Multi-Cell System with the powerful Grayscale Upgrade feature, when you perform upgrade for one handset, other handsets are free from this process and the whole system still runs in safety and stability.

### Advanced DECT Contacts
When a call is coming, the receiver can obtain the caller information, including the caller number and caller name, from the phone screen easily and clearly rather than just a row of digits. Better compatibility with several PBX platforms makes the contacts from different platforms reachable on the Yealink W80 DECT IP Multi-Cell System, like Xsi directory, XML contacts. Besides, LDAP and Remote Phonebook.

### Efficient Provisioning & Unified Management
The W80 DECT IP Multi-Cell System inherits the Yealink powerful Auto-p mechanism from W60B, that the efficient provisioning and effortless mass deployment can be simply implemented via Yealink's Redirection and Provisioning Service (RPS) and auto provisioning. Moreover, you can configure and manage the entire multi-cell system on the web portal of DECT Manager, making the deployment, maintenance and upgrade to be trouble-free as well as saving even more time and IT costs for businesses.

### Easy Setup and Deployment
In the multicast network, administrators profit from zero touch provisioning that the system is established as soon as the base station is powered on and connected to the network. Do not worry if you are in the non-multicast network environment, just configure the IP address of the DECT Manager via the web user interface of the base station to complete the deployment. How to quickly identify the right position for any of the W80B base stations? Try the Yealink Deployment ToolKit and it will be your right hand for planning of large deployments.

### Compatible with Multiple Devices
Yealink W80 DECT IP Multi-Cell System is compatible with multiple Yealink DECT devices, including W56H, W53H, W57R, W59R, W73H, W78H, CP930W, CP935W and DD Phone, that all of those devices can be connected to one single or multi-cell DECT system from Yealink and a complete DECT ecosystem is just at your fingertips.

- Seamless handover and roaming
- Up to 100 parallel calls
- Up to 30 base stations
- Up to 100 handsets
- Up to 100 SIP accounts
- Support XML/LDAP/Remote Phonebook
- Support Xsi Directory
- DECT radio coverage up to 50 m indoors and 300 m outdoors
- DECT technology:
  Yealink DECT technology focuses on high-quality Audio VoIP (wideband), and low bit-rate data applications. However, we are not compatible with any third-party DECT devices (base station, handset, etc.).
- Support IPv6
- Support PoE
- Compatible with Yealink W56H/W53H (version x.85.0.45 or later), W73H (version 116.85.0.25 or later), W78H (version 16.85.0.5 or later), CP930W (version 87.85.0.45 or later), W59R (vesion 115.85.0.45 or later), W57R (vesion 118.85.0.5 or later), CP935W (version 149.86.0.10 or later), T54W+DD10K (version 96.85.0.95 or later) and DD Phone (version 66.84.0.115 or later)

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# Specifications

## Phone Features

> Sync over the air (Seamless handover and roaming)
> Up to 100 simultaneous calls
> Up to 30 base stations
> Up to 8 WB (4 active handsets) calls per base
> Up to 8 NB calls per base
> Up to 100 handsets
> Up to 100 VoIP accounts
> Up to 2 simultaneous calls per handset
> Call hold, call transfer, 3-way conference
> Switching between calls
> Call waiting, mute, silence, DND
> Caller ID with name and number
> Anonymous call, Anonymous call rejection
> Call forward (always/busy/no answer)
> Speed dial, voicemail, redial
> Message Waiting Indication (MWI)
> Music on hold (server-based)
> Local phonebook for up to 100 entries per handset
> Remote phonebook/LDAP/XML phonebook
> Phonebook search/import/export
> Call history (all/missed/placed/received)
> Reset to factory, reboot
> Keypad lock, emergency call
> Broadsoft directory, BroadSoft call log
> Broadworks feature key synchronization
> Shared Call Appearance (SCA)
> XML browser
> IPUI registration
> User access level

## Management

> Auto-provision via TFTP/FTP/HTTP/HTTPS/RPS
> Auto-provision with PnP
> Handset upgrade: OTA (Over-The-Air)
> Configuration: browser/phone/auto-provision
> Trace package and system log export

## Audio Features

> Full-duplex speakerphone
> Hearing Aid Compatibility (HAC) compliant
> DTMF
> Wideband codec: AMR-WB (optional), G.722
> Narrowband codec: AMR-NB (optional), PCMU(G.711μ), PCMA(G.711A), G.726, G.729, G.729A, iLBC
> VAD, CNG, AGC, PLC, AJB

## Network Features

> SIP v1 (RFC2543), v2 (RFC3261)
> SNTP/NTP
> VLAN (802.1Q and 802.1P)
> 802.1x, LLDP
> STUN Client (NAT Traversal)
> UDP/TCP/TLS
> IP assignment: static/DHCP
> Support outbound proxy server backup

## Security

> Open VPN
> Transport Layer Security (TLS1.0/TLS1.2)
> HTTPS (server/client), SRTP
> Digest authentication
> Secure configuration file via AES encryption
> Support SHA256/SHA512/SHA384

## DECT

> Frequency bands:
  1880 – 1900 MHz (Europe), 1920 – 1930 MHz (US)
  1902 – 1906 MHz (TH), 1910 – 1920 MHz (BR)

## Interface

> 1 x RJ45 10/100M Ethernet port
> Power over Ethernet (IEEE 802.3af), Class 1

## Physical Features

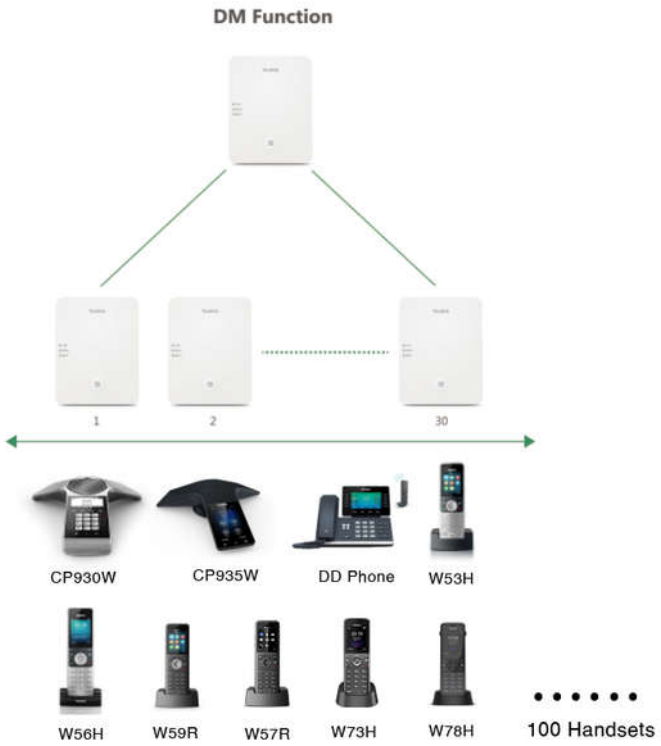
> Indoor Range: 20 m-50 m (The ideal distance is 50 m)
> Outdoor Range: 300 m (in ideal conditions)
> Wall mountable
> Three LED indicators on W80DM/W80B:
  - 1 x DECT LED
  - 1 x Role LED
  - 1 x LAN (Power Indicator & Network Status) LED
> External Yealink AC adapter:
  AC 100-240V Input and DC 5V/1.2A Output
> Color: Pearl White
> Dimension: 130 mm x 100 mm x 25.1 mm
> Operating humidity: 10-95%
> Operating temperature: -10°C to +50°C (+14-122°F)
> Storage temperature: - 30 to +70°C (-22 to +158 °F)

## Package Features

> Package content:
  - W80DM/W80B
  - Expansion Screws
  - Quick Start Guide
  - Power Adapter (optional)
> Qty/CNT: 10 PCS
> Giftbox size: 174 mm x 180 mm x 63 mm
> Carton meas: 375 mm x 336 mm x 187 mm
> N.W: 2.56 kg
> G.W: 3.13 kg

## Compliance

CE FC RoHS REACH ISO 9001 broadsoft 3CX Asterisk® Compatible



About Yealink

Yealink (Stock Code: 300628) is a global-leading provider of Unified Communication & Collaboration Solutions specialized in video conferencing, voice communications, and collaboration, dedicated to helping every person and organization embrace the power of "Easy Collaboration, High Productivity".

With best-in-class quality, innovative technology, and user-friendly experiences, Yealink is one of the best providers in more than 140 countries and regions, ranks No.1 in the global market share of IP Phone, and is the Top 5 leader in the video conferencing market (Frost & Sullivan, 2021).

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Technical Support

Visit Yealink WIKI (http://support.yealink.com/) for firmware downloads, product documents, FAQ, and more. For better service, we sincerely recommend you to use Yealink Ticketing system (https://ticket.yealink.com) to submit all your technical issues.

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