

Yealink W80 Datasheet

Cordless DECT IP Multi-Cell System

The Yealink W80 DECT IP Multi-Cell System, consisting of a base station W80B and a DECT Manager W80DM, is designed to provide organizations requiring 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 W57R, W59R, W56H, W71H, W73H, W74H, W78H, WH62, WH63, CP930W, CP935W, and DD Phones with seamless roaming and handover of calls, making free mobile communication in and between each zone achievable. Both W80B and W80DM join the modern, compact design with Yealink HD voice quality, wrapped with full-duplex technology.



DECT / SRTP / TLS

Cloud Contact / LDAP /
XML

Auto-P



HD Audio



Wall Mountable

Compatible with Multiple
Devices

Key Features and Benefits

- 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
- Support IPv6

- Support PoE
- DECT Technology: Yealink DECT technology focuses on high-quality Audio VoIP (wideband) and low-bit-rate data applications. However, we are incompatible with third-party DECT devices (base station, handset, etc.).
- Compatible with Yealink W56H (version x.85.0.45 or later), W71H (version 120.85.0.5 or later), W73H (version 116.85.0.25 or later), W74H (version 119.85.0.15 or later), W78H (version 16.85.0.5 or later), CP930W (version 87.85.0.45 or later), W59R (version 115.85.0.45 or later), W57R (version 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)

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, the W80 DECT IP Multi-Cell System provides stable calls and seamless roaming and handover. The DECT encryption ensures wireless data transmission over the air, and wirelessly eavesdropping on a conversation is impossible. 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 upgrade one handset, other handsets are free from this process, and the whole system still runs safely and is stable.

Advanced DECT Contacts

When a call comes, the receiver can easily obtain the caller's information, including the caller's number and name, from the phone screen 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 and XML contacts. Besides, LDAP and Remote Phonebook.

Efficient Provisioning & Unified Management

The W80 DECT IP Multi-Cell System inherits Yealink's powerful Auto-p mechanism from W60B. You can implement efficient provisioning and effortless mass deployment 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 trouble-free and 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 a non-multicast network environment; just configure the DECT Manager's IP address via the base station's web user interface to complete the deployment. Try the Yealink Deployment Toolkit and quickly identify the right position for any of the W80B base stations.

Compatible with Multiple Devices

Yealink W80 DECT IP Multi-Cell System is compatible with multiple Yealink DECT devices, including W56H, W57R, W59R, W71H, W73H, W74H, W78H, CP930W, CP935W, and DD Phone. All of these devices can be connected to a single or multi-cell DECT system from Yealink, and a complete DECT ecosystem is just at your fingertips.

Specifications

Specifications	Description
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, voice mail, 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 • Layer 2: VLAN (802.1Q and 802.1P) • Layer 3: ToS / DiffServ (DSCP) • 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)
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 100-240 V Input and DC 5 V/1.2 A Output • Color: Pearl White • Dimension: 130 mm x 100 mm x 25.1 mm • Operating humidity: 10-95% • Operating temperature: -10°C to +45°C (+14-113°F) • Storage temperature: - 30 to +70°C (-22 to +158 °F)
Package Features	• Package contents: - W80DM/W80B - Expansion Screws - Quick Start Guide - Power Adapter (optional) • Qty/CTN: 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	        broadsoft  3CX  Asterisk [®] Compatible

[Click here](#) to go to the product introduction on the Yealink official website.