

Yealink W80 DECT IP Multi-Cell System

Experience DECT Roaming With Multiple Devices



The Yealink W80 DECT IP Multi-Cell System consists of the DECT Manager W80DM and base station W80B. This System brings scalability and increased mobility to business users, provides a seamless handover and roaming solution, stable communication experience, and simple deployment service covering multiple scenarios, including warehouses, hotels, authorized car dealerships, offices, retail formats, and other large spaces. Yealink is dedicated to enabling our users and partners to benefit from our professional business communication solutions.

Easy Setup, Fast Deployment

The Yealink W80 DECT IP Multi-Cell System provides easy setup for users and resellers even in a non-multicast network environment. By using the Yealink DECT IP Multi-Cell Deployment Toolkit, the correct location of each W80B base station can be quickly confirmed. Users can set up the system easily and plan large-scale deployments in just a few steps: measurement, installation, and configuration.



Seamless Roaming & Stability

The Yealink W80 DECT IP Multi-Cell System provides a seamless roaming and handover solution that allows users to move freely in large spaces. In addition to supporting up to 30 base stations and 100 handsets, the wireless feature of this System enables users to enjoy flexibility, seamless roaming and handover, HD audio quality, and clear communication.



Up to 100 Multiple Devices With 100 Parallel Calls

The Yealink W80 DECT IP Multi-Cell System supports the networking of one W80DM, the DECT Manager, and up to 30 W80B base stations. This system supports the registration of up to 100 multiple terminal devices, including the W53H, W56H, CP930W, and DD Phone (T41S+DD10K). With support for up to 100 parallel calls, this system also improves communication quality by avoiding busy signals.



Easy Access to Multiple Phone Books

The Yealink W80 DECT IP Multi-Cell System offers easy access to multiple phone books, including Local Directory, Remote Phonebook, LDAP, and XML Phonebook. Additionally, it is broadly compatible with PBX contacts.

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System Max. number of handsets for system 100 Simultaneous calls for system 100 Simultaneous calls per base 8 Indoor/outdoor range 50m/300m Handover Within group Handover Within group Handset module for W80B W53H / W56H / CP930W / DD Phone (T41S+ OTA for handset \sqcclessimal Audio Mideband codecs AMR-WB (optional), G.722 Audio HD voice \sqcclessimal Interface POE \sqcclessimal Mail mountable \sqcclessimal \sqcclessimal Features BroadSoft call log \sqcclessimal Interface IPUI registration \sqcclessimal Features IPUI registration \sqcclessimal Shared Call Appearance (SCA) \sqcclessimal \sqcclessimal DECT encryption \sqcclessimal \sqcclessimal SRTP Support (Media) \sqcclessimal \sqcclessimal		Pic	
SystemSimultaneous calls for system100Simultaneous calls per base8Indoor/outdoor range50m/300mHandoverWithin groupHandoverWithin groupAir Synchronization\scaleHandset module for W80BW53H / W56H / CP33W / DD Phone (T418+OTA for handset\scaleAudioMideband codecsMideband codecsAMR-WB (optional), G.722MutioHD voiceHandset module for W80BVS3H / W56H / CP33W / DD Phone (T418+Mutio\scaleAudioMideband codecsMideband codecsAMR-WB (optional), G.722MutioNarrowband codecsPoE\scaleMutinountable\scaleMall mountable\scaleMall mountable\scaleFeaturesIPUI registrationIPUI registration\scaleML browser\scaleML browser\scale		Max. number of bases for system	30
Features Simultaneous calls for system 100 Simultaneous calls per base 8 Indoor/outdoor range S0m/300m Handover Within group Roaming Whole system Air Synchronization \scillantiant Handset module for W80B W53H / W56H / CP930W / DD Phone (T41S+ OTA for handset \scillantiant Mideband codecs AMR-WB (optional), G.722 Audio HD voice \scillantiant HD voice \scillantiant \scillantiant HD voice \scillantiant \scillantiant Interface PoE \scillantiant Multaneous calls per access level \scillantiant Features IPUI registration \scillantiant Shared Call Appearance (SCA) \scillantiant \scillantiant DECT encryption \scillantiant \scillantiant SHTP Support (Media) \scillantiant \scillantiant		Max. number of handsets for system	100
Indoor/outdoor range 50m/300m Handover Within group Roaming Whole system Air Synchronization \sqcclllllllllllllllllllllllllllllllllll	System	Simultaneous calls for system	100
Handover Within group Roaming Whole system Air Synchronization \sqcclssssssssssssssssssssssssssssssssss		Simultaneous calls per base	8
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Air Synchronization \sqrt{1} Handset module for W80B W53H / W56H / CP930W / DD Phone (T41S+ OTA for handset \sqrt{1} OTA for handset \sqrt{1} Audio AMR-WB (optional), G.722 Audio Narrowband codecs PCMU, PCMA, G.726, G.729, iLBC HD voice \sqrt{2} \sqrt{2} Interface 10/100M \sqrt{2} Interface POE \sqrt{2} KML Phonebook \sqrt{2} \sqrt{2} BroadSoft directory (User & company) \sqrt{2} \sqrt{2} Features IPUI registration \sqrt{2} \sqrt{2} IPUI registration \sqrt{2} \sqrt{2} \sqrt{2} IPUI registration \sqrt{3} \sqrt{3} \sqrt{3} IPUI registration		Handover	Within group
Handset module for W80B W53H / W56H / CP930W / DD Phone (T41S+ OTA for handset OTA for handset \sqcspace Audio Mideband codecs AMR-WB (optional), G.722 Audio Narrowband codecs PCMU, PCMA, G.726, G.729, iLBC HD voice \sqcspace \sqcspace Herrare PoE \sqcspace Mult mountable \sqcspace \sqcspace VMIL Phonebook \sqcspace \sqcspace BroadSoft call log \sqcspace \sqcspace Features IPUI registration \sqcspace IPUI registration \sqcspace \sqcspace DECT encryption \sqcspace \sqcspace DECT encryption \sqcspace \sqcspace SRTP Support (Media) \sqcspace \sqcspace		Roaming	Whole system
OTA for handset\AudioWideband codecsAMR-WB (optional), G.722AudioNarrowband codecsPCMU, PCMA, G.726, G.729, iLBCHD voice\\HD voice\\Interface10/100M\InterfacePoE\Wall mountable\\KML Phonebook\\BroadSoft clirectory (User & company)\\BroadSoft clal log\\InterfaceIPUI registration\Shared Call Appearance (SCA)\\DECT encryption\\Transport Layer Security (TLS)TLS 1.0/1.1/1.2SRTP Support (Media)\\		Air Synchronization	\checkmark
AudioWideband codecsAMR-WB (optional), G.722AudioNarrowband codecsPCMU, PCMA, G.726, G.729, ILBCHD voiceHD voiceInterface10/100MPoEWall mountableVWall mountableKML PhonebookBroadSoft directory (User & company)BroadSoft directory (User & company)BroadSoft call logUser access levelXML browserShared Call Appearance (SCA)DECT encryptionTransport Layer Security (TLS)TLS 1.0/1.1/1.2SRTP Support (Media)		Handset module for W80B	W53H / W56H / CP930W / DD Phone (T41S+DD10
Audio Narrowband codecs PCMU, PCMA, G.726, G.729, iLBC HD voice ✓ Interface Interface 10/100M Interface PoE ✓ Wall mountable ✓ ✓ KML Phonebook ✓ ✓ BroadSoft directory (User & company) ✓ ✓ BroadSoft directory (User & company) ✓ ✓ BroadSoft call log ✓ ✓ Vulser access level ✓ ✓ Shared Call Appearance (SCA) ✓ ✓ DECT encryption ✓ ✓ Transport Layer Security (TLS) TLS 1.0/1.1/1.2		OTA for handset	\checkmark
HD voice √ Interface 10/100M Interface 0/100M PoE √ Wall mountable √ KML Phonebook √ BroadSoft directory (User & company) √ BroadSoft directory (User & company) √ BroadSoft call log √ User access level √ Shared Call Appearance (SCA) √ DECT encryption √ DECT encryption √ SRTP Support (Media) √		Wideband codecs	AMR-WB (optional), G.722
Interface 10/100M Interface 10/100M PoE Wall mountable V Vall mountable V KML Phonebook BroadSoft directory (User & company) BroadSoft directory (User & company) BroadSoft directory (User & company) V BroadSoft directory (User & company) V BroadSoft directory (User & company) V BroadSoft directory (User & company) V BroadSoft directory (User & company) V BroadSoft call log V Stare access level V V Shared Call Appearance (SCA) V DECT encryption V Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) V	Audio	Narrowband codecs	PCMU, PCMA, G.726, G.729, iLBC
Interface PoE Note Wall mountable Import Import Import Import Import Import		HD voice	\checkmark
Image: Foe Image: Foe Wall mountable Image: The term Image: LDAP Image: The term Image: LDAP Image: The term Image: The term Image: The term Image: Th		Ethernet interface	10/100M
LDAP ✓ XML Phonebook ✓ BroadSoft directory (User & company) ✓ BroadSoft directory (User & company) ✓ BroadSoft call log ✓ User access level ✓ VML browser ✓ Shared Call Appearance (SCA) ✓ DECT encryption ✓ Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) ✓	Interface	PoE	\checkmark
XML Phonebook ✓ BroadSoft directory (User & company) ✓ BroadSoft call log ✓ User access level ✓ IPUI registration ✓ XML browser ✓ Shared Call Appearance (SCA) ✓ DECT encryption ✓ Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) ✓		Wall mountable	\checkmark
BroadSoft directory (User & company) ✓ BroadSoft call log ✓ User access level ✓ IPUI registration ✓ XML browser ✓ Shared Call Appearance (SCA) ✓ DECT encryption ✓ Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) ✓		LDAP	\checkmark
Features BroadSoft call log ✓ User access level ✓ IPUI registration ✓ XML browser ✓ Shared Call Appearance (SCA) ✓ DECT encryption ✓ Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) ✓		XML Phonebook	\checkmark
Features User access level ✓ IPUI registration ✓ XML browser ✓ Shared Call Appearance (SCA) ✓ DECT encryption ✓ Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) ✓		BroadSoft directory (User & company)	\checkmark
Features IPUI registration ✓ XML browser ✓ Shared Call Appearance (SCA) ✓ DECT encryption ✓ Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) ✓		BroadSoft call log	\checkmark
XML browser ✓ Shared Call Appearance (SCA) ✓ DECT encryption ✓ Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) ✓		User access level	\checkmark
Shared Call Appearance (SCA) DECT encryption Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) 	Features	IPUI registration	\checkmark
DECT encryption \checkmark Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media) \checkmark		XML browser	\checkmark
Transport Layer Security (TLS) TLS 1.0/1.1/1.2 SRTP Support (Media)		Shared Call Appearance (SCA)	\checkmark
SRTP Support (Media)		DECT encryption	\checkmark
		Transport Layer Security (TLS)	TLS 1.0/1.1/1.2
BroadSoft $$		SRTP Support (Media)	
		BroadSoft	\checkmark
Compatibility 3CX $$	ompatibility	3CX	√

