

## Multi-functional SIP Phone, Excellent Voice Communication

Especially designed for busy executives and professionals, the Yealink T85W is a Prime Business Phone featuring an adjustable 5.5-inch color LCD screen for comfortable viewing. The hall switch handset creates a quieter office environment, and Yealink's self-developed AI noise cancellation ensures superior audio quality during calls. With ultra-high-definition sound and support for broadband audio codecs, it provides realistic audio call effects. The built-in Bluetooth 5.0 and dual-band 2.4G/5G Wi-Fi 6 modules keep you updated with the latest technology. Running on a TEE hardware encryption solution, it offers secure storage. The T8X series enhances the Yealink ecosystem, compatible with more Yealink headsets, supporting configuration and upgrades through the LCD, and works with headsets featuring wearing detection for intelligent channel switching.



### Key Features and Benefits

#### Ultra HD Audio Quality

Yealink Optima HD Voice technology combines cutting-edge hardware and software with wideband technology for maximum acoustic performance. Yealink's self-developed AI noise cancellation ensures better audio quality during calls. This open and highly versatile audio codec is designed to deliver superior HD audio quality compared to other wideband codecs, even in high network bandwidth environments.

#### High Security and Compatibility

Yealink T85W adopts the latest network security technology, supporting SRTP and TLS call encryption, 802.1x media access control, MD5 and MD5-Session based authentication, AES security profile, and other perfect security protection mechanisms to avoid hacker attacks. It is widely compatible with third-party SIP devices and leading SIP platforms. In addition, T85W supports a dual system function, which can back up your phone system in advance to avoid system crashes caused by upgrade failure, thus providing you with enterprise-level system protection. The T8X series also supports a security center function to ensure your phone is more secure, with high-sensitivity functions and data supporting user individual control and one-click disconnection.

#### Customizability and Scalability

T85W not only has Gigabit PoE dual network ports for PoE power supply but also features two USB ports. You can choose based on your needs. T85W supports five pages of page turning and can accommodate up to 60 programmable buttons; in addition, T85W can cascade up to 3 color screen expansion units, expanding to 234 programmable buttons to save operation time and achieve efficient office work effectively.

#### Wireless Data Transmission

Yealink T85W has a built-in Bluetooth 5.0 module, supports Bluetooth headsets, and can connect to mobile phones via Bluetooth for phone address book matching. To adapt to the upcoming 5G Wi-Fi era, T85W has built-in dual-band Wi-Fi 6. 5G Wi-Fi offers better anti-interference and faster speed, allowing you to be one step ahead in the busy data torrent. Additionally, T85W can be used with the Yealink video conferencing soft terminal to share content from the computer to the remote end, providing the ultimate content-sharing experience.

#### TEE Hardware Encryption Solution

T85W uses the TEE hardware encryption solution, which can provide you with a more secure data storage experience.



- TEE hardware encryption solution
- Dual system function
- Unified firmware for T7X series (T73U, T73W, T74W, T74W, T77W), T85W, and T87W
- Up to 16 SIP accounts
- Supports PoE
- Supports USB headsets and EHS
- Built-in Bluetooth, Wi-Fi
- Supports color-screen expansion modules
- Stand with 2 adjustable angles
- Wall Mountable
- Handset with hall switch

## Audio Features

- HD voice: HD handset, HD speaker
- Hearing aid compatible (HAC) handset
- Acoustic Shield
- Smart Noise Filtering
- Audio codec: AMR-WB (optional), G.722
- Narrowband codec: AMR-NB (optional), PCMU (G.711μ), PCMA (G.711A), G.723.1, G.729, G.729A, G.729B, G.729AB, G.726, iLBC
- DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO
- Full-duplex hands-free speakerphone with AEC
- VAD, CNG, AEC, PLC, AJB, AGC

## Phone Features

- 16 VoIP accounts
- One-touch speed dial, hotline, mute, DND
- Call hold, call forward, call waiting, call transfer
- Group listening
- Emergency call
- Redial, call return, auto answer
- Direct IP call without SIP proxy
- Ring tone selection/import/delete
- Set date time manually or automatically
- Dial plan, action URL/URI
- XML Browser, XML Push
- RTCP-XR (RFC3611)
- Custom DSS Key
- Accessibility features

## Directory

- Local phonebook up to 1000 entries
- Blocklist
- XML/LDAP remote phonebook
- Google Contacts
- Smart dialing
- Contacts search/import/export
- Call history: All records/dialed/received/missed/forwarded calls

## IP-PBX Features

- Busy Lamp Field (BLF), Bridged Line Appearance (BLA)
- Anonymous call, anonymous call rejection
- Message Waiting Indicator (MWI)
- Voice Messages, Call park
- Music on hold
- Call recording, mobile office, chief Assistant
- Server-based recording function
- Visual mailbox user interface

## Display and Indicator

- LED for call and message waiting indication
- Account status information red and green dual color indicator light
- Intuitive user interface with icons and soft keys
- Multilingual user interface
- Caller ID with name and number
- Screensaver
- Power saving

## Feature keys

- 10 linekeys with LED keys(up to 50 dsskeys, 5 pages )
- 4 touch buttons: message, headset, mute, pagination (mute/headset/pagination button with indicator light)
- 4 Function keys: call hold, call transfer, redial, hands-free
- 2 volume control keys
- 6 navigation keys

## Interface

- Dual-port Gigabit Ethernet
- 2 x USB 2.0 interface(phone side):
- Supports Wi-Fi via WF50
- Supports Bluetooth via BT41
- USB flash drive
- Connecting a USB headset
- Connecting to the color screen expansion module
- Wireless Headset Adapter EHS40
- 1 x Security keyhole
- 1 x RJ9 (4P4C) handset interface
- 1 x RJ9 (4P4C) headset jack
- 1 x 5V power port
- USB interface (compatible with 2.0):
- Support Bluetooth headsets via BT51
- Supports connecting Yealink Bluetooth headset BH71/BH71 Workstation/BH71 Workstation Pro/BH72/BH76 via BT51
- USB recording
- USB headset
- Expansion module EXP55, can support up to 3 color screen expansion module cascaded
- Wireless Headset Adapter EHS40
- Support USB or Bluetooth connection to Yealink CP900/CP700 and UH38, USB connection to UH34/UH36/UH37:
- Basic functions: answer/end/mute call
- Advanced functions: sound quality optimization/redial/call hold/volume adjustment two- way synchronization/multi-way call control

## Management

- Configuration: browser/phone/auto-provision
- Auto provision via FTP/TFTP/HTTP/HTTPS for mass deployment
- Auto-provision with PnP
- Broadsoft device management
- Zero-Sp-Touch, TR-069
- Phone lock for personal privacy protection
- Reset to factory, reboot
- Package tracing export, system log
- Support Yealink Device Management Platform (YDMP/YMCS)

## Network and Security

- Built-in Dual-Band Wi-Fi:
- Network standard: IEEE802.11a/b/g/n/ac/ax
- Frequency band: 2.4GHz/5.0GHz
- Built-in Bluetooth 5.0:
- Connecting Bluetooth headset
- Connect your phone
- Connect headset and phone at the same time
- Connect to PC as PC peripheral
- IPv4/IPv6
- SIP v1 (RFC2543), v2 (RFC3261)
- Call server redundancy supported
- NAT traversal: STUN mode
- Proxy mode and peer-to-peer SIP link mode
- IP assignment: static/DHCP
- HTTP/HTTPS web server
- Time and date synchronization using SNTP
- UDP/TCP/DNS-SRV(RFC 3263)
- QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP
- Support SRTP protocol
- Transport Layer Security (TLS 1.3)
- HTTPS certificate manager
- AES encryption for configuration file (AES256)
- Supported authentication mechanisms: MD5/SHA1/SHA224/SHA256/SHA384/SHA512
- OpenVPN, IEEE802.1X, L2TP VPN
- LLDP/CDP/DHCP VLAN, ICE
- WPA2/WPA3
- Secure boot
- GARP (Generic Attribute Registration Protocol)
- Linux 6.1 version
- TEE hardware encryption solution

## Other Physical Features

- Operating environment humidity: 5% - 90%
- Operating temperature: -10 to +45 ° C (+14 to 113 ° F)
- Storage temperature: -30 to 70°C
- Support PoE power supply (IEEE 802.3af ), class 2
- Power adapter (optional): AC 100-240V input, DC 5V/2A output
- USB output current: 5V/500mA
- Power consumption (PSU): 1.30 W-1.50 W
- Power consumption (PoE): 1.516 W-1.824 W
- Dimension (W\*D\*H): 234.95 mm\*212.57 mm\*55.14 mm

## Package Features

- Package content:
  - Yealink SIP-T85W IP phone
  - Handset with handset cord
  - Ethernet Cable
  - Stand
  - Quick Start Guide
  - Power Adapter (Optional)
- Qty/CTN: 5 PCS
- N.W/CTN: 5.9 kg
- G.W/CTN: 6.6 kg
- Giftbox size: 258 mm\*247 mm\*99 mm
- Carton Meas: 515 mm\*254 mm\*274 mm