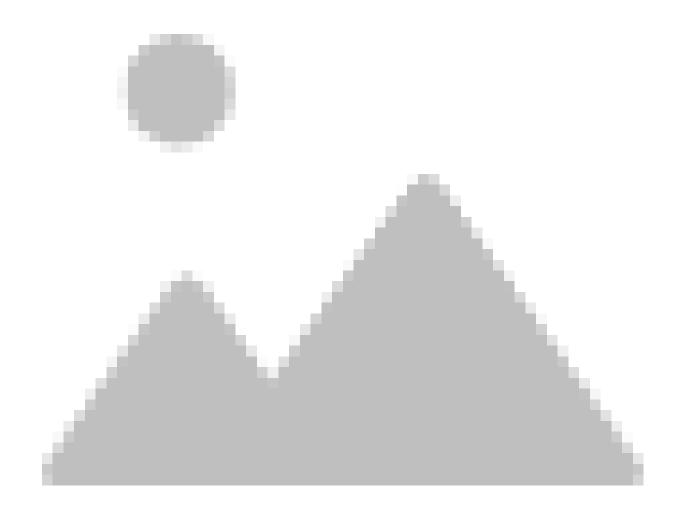


# **SIP-T85W Datasheet**

# Ultra Prime Business Phone to Deliver Optimum Desktop Productivity

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**

- TEE hardware encryption solution
- Dual system function
- Unified firmware for T7X series (T73U, T73W, T74U, T74W, T77U), T85W, and T87W
- Up to 16 SIP accounts
- PoE support
- Support USB headset and EHS
- Built-in Bluetooth, WiFi
- Supports color-screen expansion modules
- One adjustable angle for desktop placement



- Wall mountable
- Handset with hall switch

#### **User Friendly**

Yealink T85W IP Phone features an adjustable 5.5-inch color LCD screen that you can readily adjust to a comfortable viewing angle. Regarding audio quality, the T85W is coupled with the latest version of Yealink Optimal HD Voice technologies, including Yealink Acoustic Shield technology, which effectively eliminates background distractions and noises and delivers crystal clear voice even in a noisy environment. Meanwhile, complying with the latest Hearing Aid Compatibility (HAC) Regulations, its HAC handset helps people with hearing loss hear the voice more clearly.

#### **HD Audio**

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-Sess 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 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.

## **Specifications**

Specific ations	Description
Audio	• HD voice: HD handset, HD speaker
Features	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
Display	• 5.5" 960 x 480 resolution screen
and	• 16 bit depth color
Indicato	• LED for call and message waiting indication
r	• Dual-color (red or green) illuminated LEDs for line status
	information
	Intuitive user interface with icons and soft keys
	Multilingual user interface
	• Caller ID with name, number, and photo
	• Wallpaper
	• Screensaver
	Supports both dark and light themes
Phone	• 16 VoIP accounts
Features	One-touch speed dial, hotline, mute, DND
	• Call hold, call forward, call waiting, call transfer
	Group listening
	• Emergency call
	Redial, call return, auto answer
	• 10-way conferencing
	Direct IP call without SIP proxy
	Ring tone selection/import/delete
	Set date time manually or automatically
	• Dial plan, XML Browser, action URL/URI
	• RTCP-XR
	• XML Browser, XML Push
	Custom DSS Key
	Accessibility features
Director	• Local phonebook up to 1000 entries
у	• Blocklist



	XML/LDAP remote phonebook
	Smart dialing
	Phonebook search/import/export
	Call history: all records/dialed/received/missed/forwarded
IP-PBX	Busy Lamp Field (BLF), Bridged Line Appearance (BLA)
Features	Anonymous call, anonymous call rejection
	Message Waiting Indicator (MWI)
	Voice messages, call parking
	Call pickup, intercom, multicast
	Music on hold
	Call recording, mobile office, chief assistant
	Server-based recording function
	Visual mailbox user interface
Feature	• 12 linekeys with LED buttons (up to 60 dsskeys, 5 pages )
keys	• 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 adjustment buttons
	• 6 navigation keys
Interfac	Dual-port Gigabit Ethernet
е	• 2 x USB port (Type-USB A, Type-USB C)
	- USB flash drive
	- Connecting a USB headset
	- Connecting to the color screen expansion station
	- Wireless Headset Adapter EHS40
	•1 x Security keyhole
	• 1 x RJ9 (4P4C) handset port
	• 1 x RJ9 (4P4C) headset port
	• 1 x 5V power port



	Todii ik
	Dual USB ports (2.0 compliant)
	- Support Yealink Bluetooth headset BH71/BH71 Workstation/
	BH71 Workstation Pro/BH72/BH76/UH38 through BT51
	- DECT wireless headset (Yealink WH62 Portable/WH63 Portable)
	- USB call recording through USB flash drive
	- USB headset
	- Expansion Module EXP55
	- Wireless Headset Adapter EHS40
	USB/Bluetooth connectivity to Yealink CP900/CP700
	speakerphone/wireless headset UH38, USB connectivity to
	Yealink wired headset UH34/UH36/UH37:
	- Basic functions: answer/end, call mute
	- Enhanced function: audio optimization, redial, call hold, volume
	synchronization, multiple call control
Manage	Configuration: browser/phone/auto-provision
ment	• 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	• Built-in Dual-Band Wi-Fi:
and	- Network standard: IEEE802.11a/b/g/n/ac/ax
Security	- Frequency band: 2.4GHz/5.0GHz
	Built-in Bluetooth 5.0:
	- Connecting Bluetooth Headset
	- Connect your phone



- Connect headphones 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
- Support TLS1.3
- HTTPS Certificate Management
- Configuration file encryption (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)
- TEE hardware encryption solution

## Other Physical

- Color: Classic Grey
- Wall mountable (optional)

### **Features**

• External Yealink AC adapter (optional): AC 100~240V input and

DC 5V/2A output



	USB output current: 5V/1A
	• Power consumption (PSU): 1.68 W-2.06 W
	• Power consumption (PoE): 1.537 W-2.44 W
	• Dimension (W*D*H*T): 258.73 mm*176.3 mm*224.38 mm*39.1
	mm
	• Operating humidity: 10 - 95%
	• Operating temperature: -10 to 45°C (+14 to 113°F)
	• Storage temperature: -30 to +70°C (-22 to +158°F)
Package	Package content:
Features	- Yealink SIP-T85W IP phone
	- Handset with handset cord
	- Ethernet Cable (2m CAT5E UTP Cable)
	- Stand
	- Quick Start Guide
	- Power Adapter (Optional)
	- Wall Mount Bracket (Optional)
	• Qty/CTN: 3 PCS
	• N.W/CTN: 4.154 kg
	• G.W/CTN: 4.636 kg
	• Giftbox size: 285 mm*253 mm*104 mm
	• Carton Meas: 324 mm* 260 mm*300 mm
Complia	
nce	

