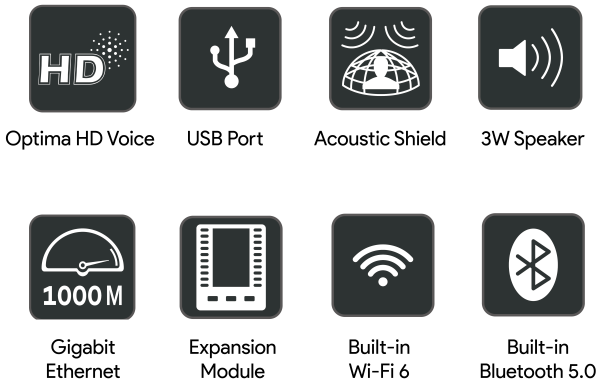
Yealink SIP-T74W Datasheet

Multifunctional SIP Phone, Excellent Voice Communication

The T74W IP phone is a high-end color screen business phone designed for management and professionals. It has a more business-like appearance and a high-definition TFT color screen, giving users a lifelike visual experience. The redesigned appearance of Yealink's new T74W makes the phone more fashionable, thinner, and more in line with modern aesthetic standards. Yealink T74W uses a Hall switch handset to make the office environment quieter. At the same time, T74W has ultra-high-definition, gorgeous sound quality and supports broadband audio codec, providing users with realistic audio call effects. In addition, T74W has a built-in Bluetooth 5.0 module and dual-band 2.4G/5G Wi-Fi 6 modules, allowing you to keep up with the latest technology and gain an advantage in the future wireless era. T74W supports a USB 2.0 interface, USB headset, and USB recording functions; you can choose according to your needs. The T74W adopts a TEE hardware encryption solution, providing you with a more secure storage experience. At the same time, it improves the performance of the phone, bringing you more flexible interoperability and a better collaboration experience. The T7X series better builds the Yealink ecosystem and is compatible with more Yealink headsets. The phone supports headset configuration and headset upgrades through LCD and supports Yealink headsets with a wearing detection function for intelligent channel switching.



Key Features and Benefits

- TEE hardware encryption solution
- Dual system function
- T7X Auto-P template unified
- Unified firmware for T7X series (T73U, T73W, T74U, T74W, T77U), T85W, and T87W
- Up to 16 SIP accounts
- PoE support
- Headset, EHS support
- Built-in Bluetooth, Wi-Fi
- Supports color-screen expansion modules
- Stand with 2 adjustable angles
- Wall mountable
- Handset with hall switch

Ultra-HD Sound Quality

The Yealink T7X series phones offer higher definition and superior quality, making communication easier. To ensure user comfort during long calls and effective hearing protection, Yealink has carefully created an ultra-high-definition sound quality solution from the handset, speaker, hands-free, and sound cavity. The sound coding format supported by T74W, as a completely open and highly versatile audio codec, provides higher-definition audio call quality and a better voice call experience compared to other narrowband codecs, even when the phone network is unstable. Additionally, T74W uses the HAC handset to help people with hearing impairments use the phone better.

High Security and Compatibility

T74W 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, T74W 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 T7X 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

T74W not only has Gigabit PoE dual network ports for PoE power supply but also features a USB port for easy integration with USB headsets and USB recording. You can choose based on your needs. T74W supports five pages of page turning and can accommodate up to 50 programmable buttons; in addition, T74W can cascade up to 3 color screen expansion units, expanding to 234 programmable buttons to save operation time and achieve efficient office work effectively.

Easy Installation and Deployment

You can use Yealink RPS (Redirection and Provisioning Service) and the Boot mechanism to achieve fast and efficient deployment. Users do not need to manually configure and upgrade the phone. They only need to power on and connect to the Internet, and the phone will complete automatic deployment, saving a lot of time and cost, and achieving true "Zero Touch Provisioning." In addition, Yealink T7X series IP phones (including T73U, T73W, T74W, and T74U) all use the same firmware, which greatly simplifies management and maintenance costs and facilitates management, upgrades, and maintenance.

Wireless Data Transmission

Yealink T74W 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, T74W 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, T74W 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

T74W uses the TEE hardware encryption solution, which can provide you with a more secure data storage experience.

Specifications

Specifications	Description
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
User Interface	• LCD screen • 4.3-inch 480x272 resolution screen • Support wallpaper and screen saver • Incoming calls and unread message indicator lights • Intuitive user interface • Multilingual user interface • Caller ID display of name, number, and photo • 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, 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 • Call pickup, intercom, multicast • 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 • 1 x USB 2.0 interface (phone side): - 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) • 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*T): 235.0 mm*167.5 mm*214.8 mm*55.1 mm
Package Features	• Package content: - Yealink T74W 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: 5 PCS • N.W/CTN: 5.98 kg • G.W/CTN: 6.656 kg • Giftbox size: 258 mm*247 mm*99 mm • Carton Meas: 515 mm* 254 mm*274 mm
Compliance	CE FC RoHS REACH ISO 9001 broadsoft 3CX Genesys metaswitch Asterisk® Compatible