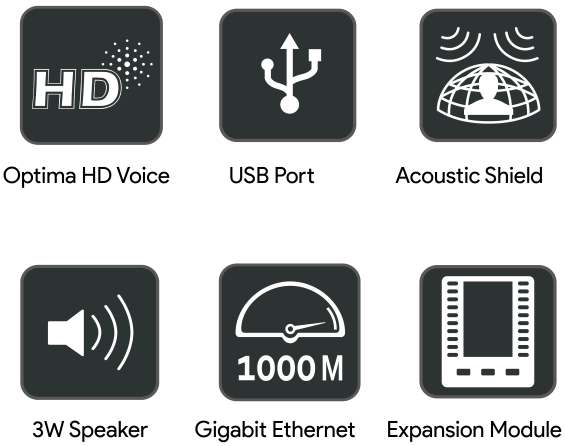
Yealink SIP-T74U Datasheet

Multifunctional SIP Phone, Excellent Voice Communication

The T74U IP phone is a high-end business phone with a color display, designed specifically for executives and professionals. It features a more stylish appearance and a high-definition TFT color screen, providing users with a vivid visual experience. The new design of the Yealink T74U makes the phone more fashionable and slim, aligning better with modern aesthetic standards while enhancing the phone's performance. This provides you with more flexible interoperability and a superior collaboration experience. The T74U uses a Hall switch handset, which helps create a quieter office environment.
Additionally, the T74U offers ultra-high-definition sound quality and supports wideband audio codecs, delivering lifelike audio call effects. The T74U supports a USB 2.0 interface, allowing the use of USB headsets and USB recording functions as needed. The T74U adopts a TEE hardware encryption solution, providing you with a more secure storage experience. The T7X series further enhances the Yealink ecosystem, compatible with more Yealink headsets. The phone supports headset configuration and upgrades through the LCD, and it supports Yealink headsets with wear 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
- Supports PoE
- Supports USB headsets and EHS
- Supports color-screen expansion modules
- Stand with 2 adjustable angles
- Wall mountable
- Handset with hall switch

Ultra HD Audio Quality

The Yealink T7X series phones deliver more refined and perfect HD audio quality, making communication more effortless. To ensure user comfort during long calls and effective hearing protection, Yealink meticulously designs an ultra-HD audio solution incorporating the handset, speaker, hands-free mode, and audio cavity. The T74U supports various audio codecs, offering superior audio call quality. It provides a better voice call experience than other narrowband codecs even in unstable network conditions. Additionally, the T74U features an HAC handset, which aids individuals with hearing impairments in using the phone more effectively.

High Security and Compatibility

The T74U adopts the latest network security technology and supports 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. Widely compatible with third-party SIP devices and leading SIP platforms. In addition, the T74U 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. At the same time, high-sensitivity functions and data support user individual control and one-click disconnection.

Customizability and Expandability

The T74U not only features dual Gigabit PoE ports for PoE power supply but also comes with a USB port for easy integration with USB headsets and USB recording, offering you flexible options based on your needs. The T74U supports up to five pages, accommodating a maximum of 50 programmable keys. Additionally, the T74U can cascade up to three color screen expansion modules, providing up to 234 programmable keys, significantly saving operation time and enhancing work efficiency.

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 the 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.

TEE Hardware Encryption Solution

T74U 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 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 • 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 • 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): - Supports Wi-Fi via WF50(V1) - 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	• 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 T74U 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	