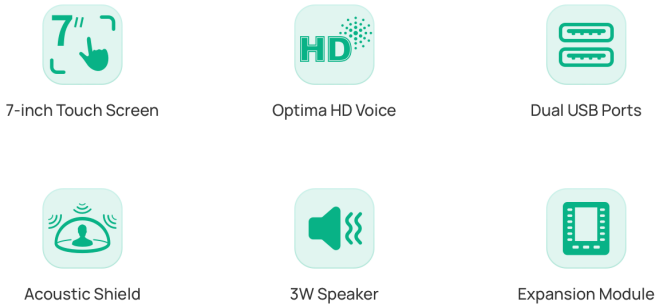
Yealink SIP-T77U Datasheet

A Revolutionary SIP Phone with a 7-inch Touch Screen

Yealink presents a dynamic business communication solution to executives and professionals with the new T77U IP phone. Yealink's new T7X series has a slimmer, sleeker look, improved interoperability, and better collaboration. The phone employs an appealing, large touch screen that makes the switch between pages and applications swift, easy, and convenient. Yealink's self-developed AI noise cancellation ensures better audio quality during calls. With United Yealink Optima HD Voice technology, the T77U offers you superb audio quality and crystal-clear voice communications. Moreover, the T77U puts dual USB ports in a phone that makes Bluetooth, Wi-Fi, USB headset, and USB recording come true, and you can use any two of them freely according to your needs.





Key Features and Benefits

- 7" 800 x 480-pixel color touch screen with backlight
- TEE hardware encryption solution
- Dual USB ports
- Dual firmware images
- T7X Auto-P template unified
- Unified firmware for T7X series (T73U, T73W, T74U, T74W, T77U), T85W, and T87W
- Up to 16 SIP accounts
- Dual-port Gigabit Ethernet
- PoE support
- Headset, EHS support

- Supports Wi-Fi via WF50(V1)
- USB recording
- Supports color-screen expansion modules
- Stand with 2 adjustable angles
- Wall mountable
- Handset with hall switch

HD Audio

Yealink Optima HD Voice technology combines cutting-edge hardware and software with wideband technology for maximum acoustic performance. It is an open, highly versatile audio codec designed to deliver higher HD audio quality than other wideband codecs over a high network bandwidth. Yealink's self-developed AI noise cancellation technology ensures a clear audio experience during calls.

Secure Transport and Interoperability

Yealink T7 series uses SIP over Transport Layer Security (TLS/SSL), which is the latest network security technology. It's also compatible with leading soft switch suppliers, such as 3CX and Broadsoft Broadworks. It is equipped with dual firmware images that provide enterprise-level protection to avoid bricking your system in case of upgrade failure. What's more, the T7 series supports the feature of Security Center, allowing users to decide whether to connect the phone to the device management platform/service and what private data they permit to report.

Customizability and Scalability

The SIP-T77U has a seven-inch, 800 x 480-pixel, backlit-color touch screen, which enables a rich visual presentation and easy navigation. Accompanied by two USB ports, the T77U is your right-hand man in the office, making Bluetooth, Wi-Fi, USB headset, and USB recording possible, and you can use any two of them freely according to your needs to enrich phone features. Meanwhile, the phone not only has 84 one-touch DSS keys that can be easily programmed to various features but also can connect up to three expansion modules, for up to 234 additional buttons with a screen-based LCD display and LED system.

Easy Installation and Deployment

Yealink T7 series supports efficient provisioning and effortless mass deployment with Yealink's Redirection and Provisioning Service (RPS) and Boot mechanism to help you realize Zero Touch Provisioning without any complex manual settings, making the T7 series simple to deploy, easy to maintain, and upgrade. Furthermore, a unified firmware and auto-p template that applies to all T7 phone models saves even more time and costs for businesses and simplifies management and maintenance.

TEE Hardware Encryption Solution

T77U 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
Phone Features	• 16 VoIP accounts • Call hold, mute, DND • One-touch speed dial, hotline • 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 (RFC3611), VQ-RTCPXR (RFC6035) • Dual USB ports (2.0 compliant) > Yealink Bluetooth headset through BT51 > Support Yealink Bluetooth headset BH71/BH71 Workstation/BH71 Workstation Pro/BH72/BH76/UH38 through BT51 > DECT wireless headset (Yealink WH62 Portable/WH63 Portable)

	> Wi-Fi through WF50(V1) > 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 functions: audio optimization, redial, call hold, volume synchronization, multiple call control • Accessibility features
Directory	• Local phonebook up to 1000 entries • Blocklist • XML/LDAP remote phonebook • Smart dialing • Phonebook search/import/export • Call history: dialed/received/missed/forwarded
IP-PBX Features	• Busy Lamp Field (BLF), Bridged Line Appearance (BLA) • Anonymous call, anonymous call rejection • Hot-desking, voice mail • Flexible seating, Executive and Assistant • Call park, call pickup • Centralized call recording, call recording • Visual voicemail
Display and Indicator	• 7" 800 x 480 capacitive adjustable touch screen • LED for call and message waiting indication • Wallpaper • Intuitive user interface with icons and soft keys • Multilingual user interface • Caller ID with name, number and photo • Screensaver • Intelligent power saving • Supports both dark and light themes

Feature keys	• 84 one-touch DSS keys • 7 feature keys: hold, transfer, message, headset, mute, redial, speakerphone • Volume control keys • Illuminated mute/headset/hands-free speakerphone key
Interface	• Dual-port Gigabit Ethernet • Supports PoE power supply (IEEE 802.3af), class 3 • 2 x USB ports (Type-USB A, Type-USB C) • 1 x RJ9 (4P4C) handset port • 1 x RJ9 (4P4C) headset port
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
Network and Security	• 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) • ARP, ICMP • QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP • SRTP for voice • Transport Layer Security (TLS 1.3) • HTTPS certificate manager • AES encryption for configuration file (AES256) • Digest authentication using MD5/MD5-sess • OpenVPN, IEEE802.1X, L2TP VPN

	• IPv6, LLDP/CDP/DHCP VLAN, ICE • WPA2/WPA3 • Secure boot • GARP (Generic Attribute Registration Protocol) • TEE hardware encryption solution
Other Physical Features	• Color: Classic Grey • Wall mountable (optional) • External Yealink AC adapter (optional): AC 100~240V input and DC 5V/2A output • USB output current: 5V/500mA • Power consumption (PSU): 2.48 W-2.63 W • Power consumption (PoE): 2.418 W-3.233 W • Dimension (W*D*H*T): 262.1 mm*167.5 mm*219.2 mm*56.9 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 Features	• Package content: - Yealink SIP-T77U 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: 6.99 kg • G.W/CTN: 7.702 kg • Giftbox size: 285 mm*253 mm*104 mm • Carton Meas: 540 mm*260 mm*300 mm
Compliance	CE FC RoHS REACH ISO 9001 broadsoft 3CX Genesys metaswitch Asterisk Compatible