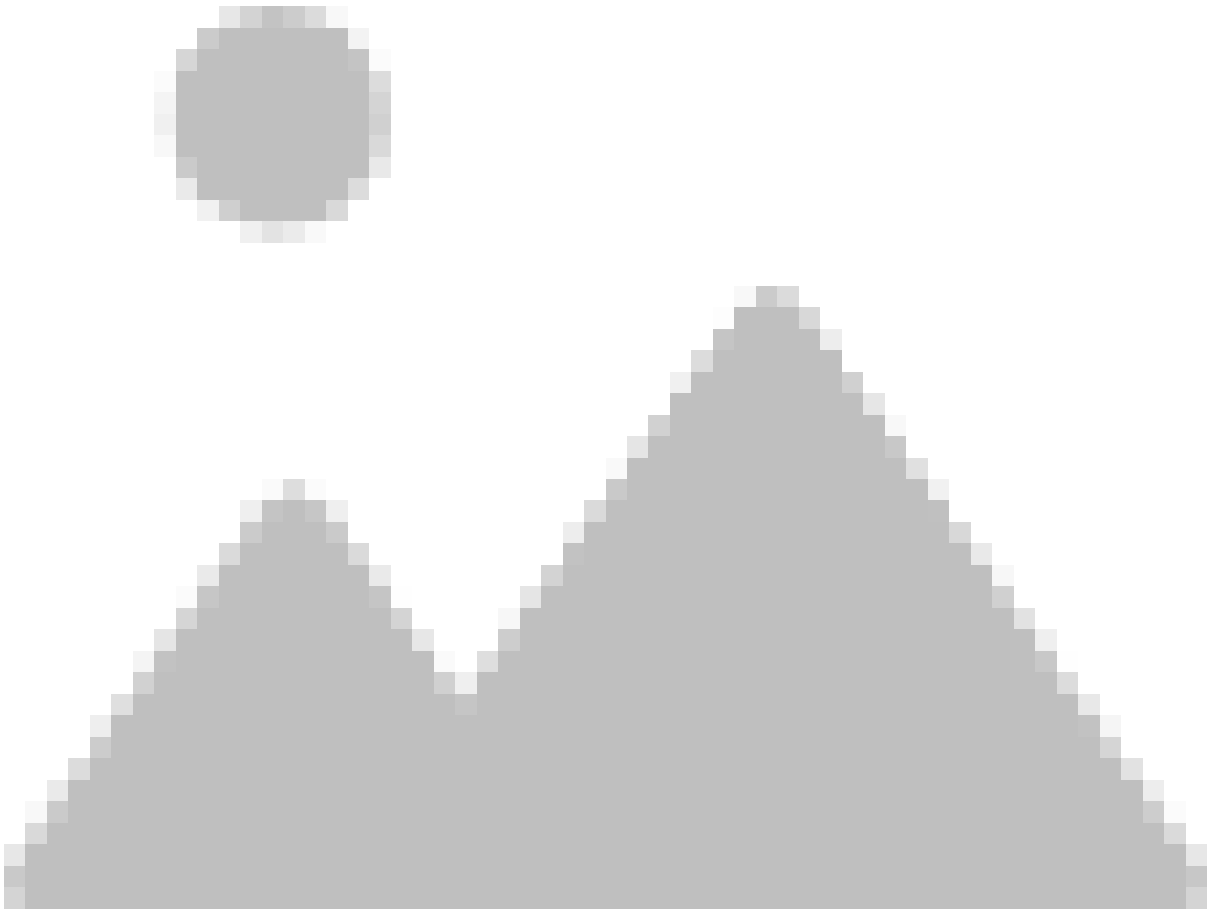
SIP-T87W Datasheet

Ultra Prime Business Phone to Deliver Optimum Desktop Productivity

Especially designed for busy executives and professionals, the Yealink SIP-T87W is an intuitive Prime Business Phone with a 7-inch multi-point touch screen. It allows you to easily find a comfortable viewing angle and provides effortless navigation with just one touch. The SIP-T87W delivers ultra-high-definition sound quality and supports broadband audio codecs for realistic call effects. Yealink's self-developed AI noise cancellation ensures superior audio quality during calls. With built-in Bluetooth 5.0 and dual-band 2.4G/5G Wi-Fi 6 modules, it keeps you updated with the latest technology, ready for the future wireless era. The T8X series enhances the Yealink ecosystem, supporting more Yealink headsets. It allows headset configuration and upgrades via the LCD and works with headsets featuring a wearing detection function 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

Outstanding User Experience

T87W IP Phone features an adjustable 7-inch capacitive touch screen that you can readily adjust to a comfortable viewing angle. In addition, a clearly defined set of menus is easy to navigate when all you have to do is touch the desired option, ensuring you have an optimized interface for a smartphone-like user experience.

HD Audio

Regarding audio quality, the T87W features Yealink Optimal HD Voice technologies, including Acoustic Shield technology, which effectively eliminates background noise and delivers crystal-clear voice even in noisy environments. Yealink's AI noise cancellation further enhances audio quality during calls. Additionally, its HAC handset complies with Hearing Aid Compatibility (HAC) regulations, helping those with hearing loss hear more clearly.

High Security and Compatibility

T87W 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, T87W 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 T7/T8X 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, as well as one-click disconnection.

Customizability and Scalability

T87W has two USB ports, allowing you to choose based on your needs. T87W supports five pages of page turning and can accommodate up to 84 programmable buttons; in addition, T87W 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

T87W 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, SIP-T87W 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, SIP-T87W 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

T87W 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
Display and Indicator	• 7" 800 x 480 capacitive adjustable touch screen • LED for call and message waiting indication • 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 • Intelligent power saving • 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, XML Browser, action URL/URI • RTCP-XR • XML Browser, XML Push • Custom DSS Key • Accessibility features
Directory	• Local phonebook up to 1000 entries • 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 keys	• 84 one-touch DSS keys • 4 function keys: call hold, call transfer, redial, hands-free • 2 volume adjustment buttons • 6 navigation keys
Interface	• Dual-port Gigabit Ethernet • 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 • 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
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 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 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/1A • Power consumption (PSU): 2.77 W-2.96 W • Power consumption (PoE): 2.401 W-3.275 W • Dimension (W*D*H*T): 263.7 mm*187.2 mm*237.9 mm*38.9 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-T87W 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: 5.04 kg • G.W/CTN: 5.518 kg • Giftbox size: 290 mm*268 mm*104 mm • Carton Meas: 324 mm* 275 mm*305 mm
Compliance	CE FC RoHS REACH ISO 9001 broadsoft 3CX Genesys metaswitch Asterisk Compatible