

ZT450 Enterprise Level Color Screen IP Phone

ZT450 is an enterprise-level color screen IP Phone. Coupled with all the necessary VoIP features at an affordable price, it provides the high-quality and convenient experience for users.

Highlights

- ✓ 12 SIP lines, 3-way conference, SIP hotspot
- ✓ 1000 local phonebook, caller ID, call hold, call transfer
- ✓ HD audio on speakerphone and handset
- ✓ Opus voice: can handle a variety of audio applications, including IP voice, multiparty conference, etc.
- ✓ Built-in Bluetooth for connecting Bluetooth headset
- ✓ Support Wi-Fi connectivity (Via Wi-Fi dongle)
- ✓ Support EHS wireless headset
- ✓ Dual Gigabit ports, integrated PoE
- ✓ Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya etc.



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Model	Screen	Network	PoE	Power Adapter
ZT450	2.8" color screen	10/100/1000Mbps	✓	—

Generic

- 12 SIP Lines
- HD Voice
- PoE Enabled
- 2.8-inch color screen
- Handset / Hands-free / Headset mode
- Desktop Stand / Wall-mounted (need an additional wall hanging parts)
- Optional External Power Supply

Phone Functions

- Local Phonebook (1000 entries)
- Remote Phonebook (XML/LDAP, 1000 entries)
- Call logs (In/Out/Missed, 1000 entries)
- Black/White List Call Filter
- Screen saver
- Voice Message Waiting Indication (VMWI)
- Programmable Soft keys
- Network Time Synchronization
- Built-in Bluetooth 2.1: Support Bluetooth headset
- Support Wi-Fi Dongle
- Support Plantronics wireless headset (Through Plantronics EHS Cable)
- Support Jabra wireless headset (Through EHS Cable)
- Support Recording (Through Flash Drive or Server)
- Action URL / Active URI
- uaCSTA

Call Functions

- Call out / Answer / Reject
- Mute / Unmute (Microphone)
- Call Hold / Resume
- Call Waiting
- Intercom
- Caller ID Display
- Anonymous Call (Hide Caller ID)
- Call Forward (Always/Busy/No Answer)
- Call Transfer (Attended/Unattended)
- Call Parking/Pick-up (Depending on server)
- Redial
- Do-Not-Disturb

- Auto-Answering
- Voice Message (With server)
- 3-way Conference
- Hot Line
- Hot desking

Audio

- HD Voice Microphone/Speaker (Handset/Hands-free, 0 ~ 7KHz Frequency Response)
- Wideband ADC/DAC 16KHz Sampling
- Narrowband Codec: G.711a/u, G.723.1, G.726-32K, G.729A, iLBC
- Wideband Codec: G.722, AMR-WB, Opus
- Full-duplex Acoustic Echo Canceller (AEC)
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE) / Noise Reduction (NR)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer
- DTMF: In-band, Out-of-Band – DTMF-Relay (RFC2833) / SIP INFO

Network

- Physical: 10/100/1000Mbps Ethernet, dual bridged port for PC bypass
- IP Mode: IPv4/IPv6/IPv4&IPv6
- IP Configuration: Static IP / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP / OpenVPN
- VLAN
- LLDP
- QoS
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- LLDP
- PPPoE
- 802.1x

- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Management

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Web Management Portal
- Web-based Packet Dump
- Configuration Export / Import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog

Physical Specifications

- LCD : 2.8-inch (320x240) Color Screen
- Keypad: 31 keys, including
 - 7 DSS keys (With LED Indicator Light)
 - 1 Page-Switch (PS) key
 - 4 Soft-keys
 - 4 Function keys (Phonebook, MWI, Headset, Redial)
 - 4 Navigation keys
 - 2 Line keys (With LED Indicator Light)
 - 1 OK key
 - 12 Standard Phone Digits keys
 - 3 Volume Control keys (Up/Down/Mute (Microphone))
 - 1 Hands-free key

- HD Handset (RJ9) x1
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- Back Rack x1
- Status Indicator Light x1 (Red)
- RJ9 Port x2: Handset x1, Headset x1
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network)
- USB2.0 Port x1: Standard A, Connect with USB Wi-Fi dongle or Flash Driver
- Safety Keyhole x1
- DC Power Input: 5V/2A
- Power Consumption (PoE): 1.55W~10.4W
- Power Consumption (Adapter): 1.24W~9W
- Working Temperature: 0~45℃
- Working Humidity: 10~95%
- Installation:
 - Desktop Stand
 - Wall-mounted (need an additional wall hanging parts)
- Color: Black
- Device Dimensions:
 - Desktop Stand (Angles 1): 181x175.75x184.4 mm
 - Desktop Stand (Angles 2): 181x175.85x185.1 mm
 - Wall-mounted: 181x115.43x208.75 mm
- Outer CTN Dimensions: 440x435x304 mm (10 PCS)

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products.

Compatibility List:

