

# ZyXEL



## Flagship Broadband Network SIP IP Phone



- **HD Voice Wideband Codec Support**
- **Rich Call Feature with Hard Keys**
- **4.2" Large LCD Display with Friendly Ease Setup Interface**
- **Up to 4 SIP Accounts Being Registered Simultaneously**
- **Crystals Voice Quality with TIA-810 Certified**

### Benefits

#### Powerful New Generation IP Phone

ZyXEL V500 Series is a full-feature enhanced business SIP IP Phone. End users can use 4 phone lines simultaneously. The V500 Series has powerful features include 4 call appearance lines with LED, and up to 6 programmable keys could fulfill user individual requirements. With large graphical 4.2 inch LCD screen, the V500 Series offers an improved and extended presentation of call lists, address books, caller information, function applications: ex SMS.

#### HD Voice Provides Superior Audio and Speech Clarity

HD voice means excellent speech quality. It uses a wider voice spectrum between 50 and 7000Hz, and the wider spectrum offers a more natural sound with fuller fidelity. The V500 IP Phone also provides various bit rates codec to meet different network environment needs.

#### High Voice Quality with Low Communication Costs

The V500 Series IP phone is capable of tagging features that support a service provider's QoS (Quality of Service) planning, such as ToS (Type of Service). It allows gateways or central side equipment to identify and prioritize voice.

#### Rich Call Features

A number of sophisticated call features are engineered into the V500 IP Phone. User can use the related features such as call forwarding, call transfer, three way conference call, etc.

#### Excellent Stylish Design and Friendly Hard Keys

"Can't take my eyes off you" is the best descriptions for ZyXEL V500 Series. This gorgeous piece of the art shines on your desktop. The V500 Series can stand as the 30, 45 and 60 degrees, which is the most comfortable viewing angle for human and save your valuable desktop spaces. We also put in the wall mount design without using any additional accessories. The V500 Series have all useful features of most popular hard keys which are Hold/Redial/Conference/Transfer/Send/Hang up/Voice mail/Paging/Mute/DND/ Headset/Speaker to save your time to communicate.

IP Phone

V500 SERIES

VOIP



## Specifications

### System Specifications

#### Call Features

- CW (Call Waiting)
- Call Forward
- Call Transfer
- Call Hold/Call Retrieve
- Incoming Call Policy
- Flash Hook Timer
- Music on Hold (local/music play from PBX/ITSP)
- Early Media (music play from PBX/ITSP)
- VMWI (Visual Message Waiting Indicator (RFC 3842))
- Paging (supported by PBX)
- Distinctive/Customized Polyphonic Ring Tone (10 Set)
- Hands-free/Speaker
- Independent Volume Controls
- Single Button Mute
- Time & Date Setting (NTP)
- DND (Do Not Disturb)
- MCID Call Block
- Redial (The last call by button)
- Conference Call with Media Server (PBX support)
- 3-way Conference Call with local mixer
- Call Log
- Dial Plan
- VOIP security SRTP\*
- SMS News broadcasting\*

#### QoS

- TOS Tagging
- Diffserv Tagging
- VLAN Tagging

#### Network Features

- TCP/IP
- PPPoE Client
- DHCP Client
- Static IP
- WEB/FTP/TFTP Firmware Upgrade
- Configuration Backup/Restore
- TFTP, HTTP Auto-provisioning/Firmware Upgrade
- Outbound Proxy
- STUN (RFC3489)
- Manual Configured SIP and RTP (Fake Address)
- NAT Keep Alive

#### Audio Codec/DSP

- G.711a/μ
- G.722.2\*
- G.723.1A
- G.726 (16/24/32/40)
- G.729a/b

#### SIP UA

- RFC 3261 SIP: Session Initiation Protocol
- RFC 2327 SDP
- RFC 3264 An Offer/Answer Model with SDP
- RFC 3550 RTP
- RFC 1890 RTCP
- RFC 3608 DNS SRV

### Hardware Specifications

- Two 10/100M Ethernet RJ-45 ports (For LAN & PC)
- Microphone Port and Earphone Port (3.5 mm)
- One 4-pin RJ-9 for phone's handset connection
- Full-duplex speaker phone
- Restore Factory Defaults/Reboot button
- Wall mountable
- 32 Polyphonic rings (MIDI format)
- LCD Display with resolution 240 x160 pixel
- Optional Power over Ethernet (802.3af) (V501D-T1 only)

### Physical Specifications

- Dimensions: 218.2 (W) x 94.8 (D) x 232.5 (H) mm
- Weight: 932 g

### Environmental Specifications

#### Operating Environment

- Operating temperature: 0°C ~ 40°C
- Operating humidity: 20% ~ 95% RH

#### Storage Environment

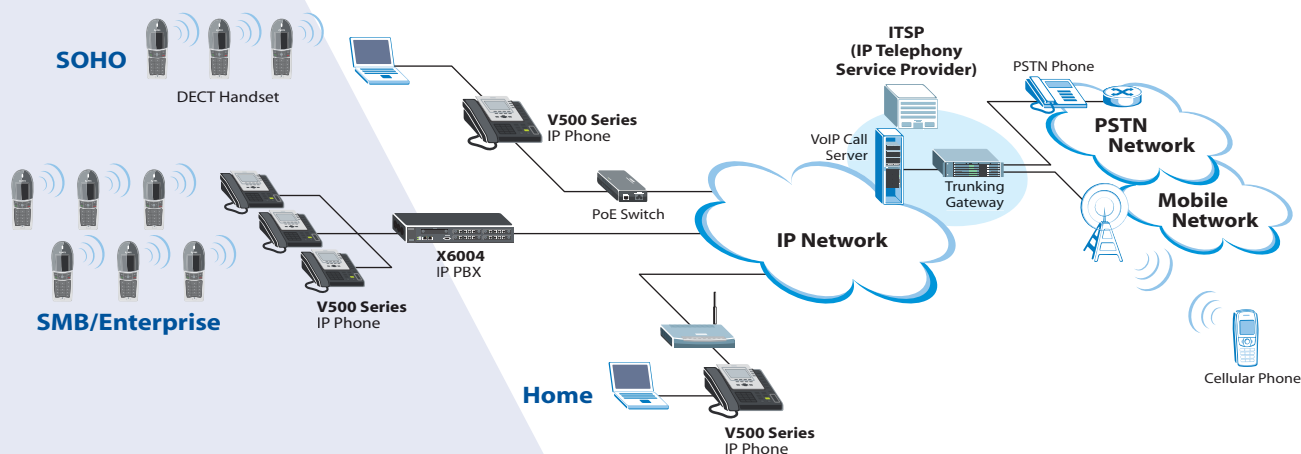
- Storage temperature: -30°C ~ 60°C
- Storage humidity: 20% ~ 95% RH

\* Firmware upgradeable for future enhancement

## Product Description

<b>V500-T1</b>	Basic IP Phone
<b>V501-T1</b>	IP Phone with PoE
<b>V501D-T1</b>	IP Phone with PoE and DECT Station

## Application Diagram



For more product information, visit us on the web [www.ZyXEL.com](http://www.ZyXEL.com)