

Entry Level

# IP Phone

X3S Lite / X3SP Lite



X3S Lite/X3SP Lite is an entry-level VoIP phone with HD voice, 132x64 2.3-inch black and white dot matrix screen, support 100M Ethernet, 2 SIP accounts, support PoE power supply (X3SP Lite only), multi-party conference call, etc. Rich functions; and extended functions such as an external EHS wireless headset; it can meet different enterprise application scenarios and provide a high-quality user experience.

# Highlight

- 2.3-inch black and white dot matrix screen with backlight
- HD Voice - Supports G.722, Opus voice coding, and can handle various audio applications
- Support 6-party local conference function
- Support external EHS wireless headset
- Fast Ethernet - Automatic 10/100Mbps network port provides fast network transmission and supports PoE power supply
- Two desktop mounting angles: 45 degrees and 50 degrees
- Cost-effective and modern and simple design, providing a rich visual experience
- High compatibility - Compatible with mainstream IP PBX / softswitch / IMS platforms based on SIP, such as Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya, etc.

# Specification

## Generic

2 SIP lines

HD Voice

Power over Ethernet (X3SP Lite only)

Black and white dot matrix screen

Handset/Handsfree/Headphone mode

Desktop / Wall-mounted (need to purchase wall-mounted accessories separately)

Power adapter (sold separately)

## Networking

10/100Mbps Ethernet (Bridge Mode)

IP Mode: IPv4 / IPv6 / IPv4 & IPv6

IP Acquisition Method: Static IP Setting / DHCP / PPPoE

Support 802.1x Network Access Authority Authentication

Virtual Private Network (VPN): L2TP / OpenVPN

VLAN

LLDP

QoS

RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)

## Call Function

Call out / Answer / Reject

Mute / Unmute (Microphone)

Call Hold / Resume

Call Waiting

Intercom

Caller ID Display

Speed Dial

Anonymous Call (Hide Caller ID)

Call Forwarding (Always/Busy/No Answer)

Call Transfer (Attended/Unattended)

Call Parking/Pick-up (Depending on server)

Redial

Do-Not-Disturb

Auto-Answering

6-way Conference

Voice Message (With server)

Hot Line

Hot desking

## Phone Features

Local Phonebook (1000 entries)

Internet phonebook (support XML/LDAP, 1000 entries)

Call records (missed calls/incoming calls/outgoing calls, 600 entries)

Blacklist/Whitelist

Voice Message Waiting Indication (VMWI)

User-defined DSS keys/soft keys

Network Time Synchronization

Support Plantronics wireless headset (via Plantronics APD-80 EHS cable)

Support Jabra wireless headset (via Azimuth EHS20 cable)

Support recording (server recording)

Action URL / Active URI

uaCSTA

## Configuration & Management

Self-service via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PnP/TR-069 (Auto-Provisioning)

Web Management Interface

Web-based Packet Dump

Configuration Export / Import

Phonebook Import/Export

Software Upgrade

Syslog

## Audio

HD handle/handsfree (handle/handsfree, 0 ~ 7KHz frequency response)

HAC handset

Wideband ADC/DAC 16 KHz Sampling

Narrowband coding: G.711a/u, G.723.1, G.726, G.729A/B, iLBC

Wideband coding: G.722, Opus

Full duplex hands-free calling, supports Acoustic Echo Cancellation (AEC)

Voice Activity Detection (VAD) / Comfort Background Noise Generation (CNG) / Background Noise Detection (BNE) / Noise Reduction (NR) / Automatic Gain Control (AGC)

Packet Loss Concealment (PLC)

Dynamic Adaptive Jitter Buffer

DTMF: In-band, Out-of-band (RFC2833/SIP INFO)

VQM voice quality monitoring

## Protocols

SIP 2.0 over UDP/TCP/TLS

RTP/RTCP/SRTP

STUN

DHCP

IPv6

LLDP

PPPoE

802.1x

L2TP

OpenVPN

SNTP/NTP

FTP/TFTP

HTTP/HTTPS

TR-069

AES128 & AES256

## Physical Specifications

Main screen: 2.3 inches (132x64) black and white dot matrix screen, with backlight

Keypad: 34 keys, including

- 4 dynamic software-defined keys (Soft-Key)
- 7 function keys (hold / transfer / conference / phonebook / voice message / headset / redial)
- 2 line keys (with bi-color LED indicator light)
- 4 arrow keys
- 1 OK button
- 12 standard telephone number keys
- 3 sound control keys, increase / decrease / mute (microphone)
- 1 handsfree key

HD Handset (RJ9) x1

Standard RJ9 handle curve x1

1.5M CAT.5E network cable x1

Phone stand x1

Status indicator x1 (red)

RJ9 port x2: handle x1, earphone x1

RJ45 port x2: network x1, PC x1 (network bridge mode)

Safety keyhole x1

DC input: 5V / 0.6A

Power Consumption: Standby 0.9~1.48W, Peak 2.8~2.98W

Operating temperature: 0~45°C

Relative humidity: 10~95%

Installation method:

- Desktop
- Wall-mounted (need to purchase wall-mounted accessories separately)

Color: Black

Product size:

- Desktop (angle 1): 169 x 186.3 x 174.5 mm
- Desktop (angle 2): 169 x 177.6 x 183.7 mm
- Wall Mount: 169 x 115.6 x 212.5 mm

Package size: 274 x 215 x 68 mm

Carton size: 450 x 360 x 294 mm (10 sets)