

# Enterprise IP Phone

X210



Xtend X210 enterprise IP phone is designed for business managers and busy office professionals to streamline communication and enhance collaboration with its HD voice, 20 SIP lines, up to 106 DSS keys, built-in Bluetooth, Wi-Fi connectivity (via Wi-Fi dongle), IP camera / SIP video door phone integration, codec H.264 support for receiving video calls and more.

## Highlight

- 4.3" main color display, 2x3.5" side color displays for DSS keys
- 20 SIP lines, hotspot
- HD audio on speakerphone and handset
- Built-in Bluetooth 4.2
- Wi-Fi connectivity (Via Wi-Fi dongle)
- 6-way audio conference
- Up to 106 DSS keys (42 tri-colored physical keys)
- Video Codec H.264 support for receiving video calls
- Dual Gigabit ports, integrated PoE
- Stand with 2 adjustable angles of 40 and 50 degrees

## Specification

### Generic

20 SIP lines

HD Voice

Support receiving Video call

PoE Enabled

3 LCDs (Main+ DSS)

Handset / Hands-free / Headset mode

Intelligent DSS Keys

Optional External Power Supply

### Video

Video codec: H.264

Video call resolution: QCIF / CIF / VGA / 1080P

### Audio

HD Voice Microphone/Speaker (Handset/Hands-free, 0 ~ 7KHz Frequency Response)

HAC handset

Wideband ADC/DAC 16KHz Sampling

Narrowband Codec: G.711a/u, G.723.1, G.726-32K, G.729A/B, iLBC

Wideband Codec: G.722, Opus

Full-duplex Acoustic Echo Cancellor (AEC)

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

Packet Loss Concealment (PLC)

Dynamic Adaptive Jitter Buffer up to 300ms

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

## Call Functions

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

## Deployment & Maintenance

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

## Protocols

SIP 2.0 over UDP/TCP/TLS

RTP/RTCP/SRTP

STUN

DHCP

IPv6

LLDP

PPPoE

802.1x

L2TP

OpenVPN

SNTP

FTP/TFTP

HTTP/HTTPS

TR-069

AES128 & AES256

## Phone Features

Local Phonebook (2000 entries)

Remote Phonebook (XML/LDAP, 2000 entries)

Call logs (In/out/missed, 1000 entries)

Blocked /Allowed list

Screen saver

Voice Message Waiting Indication (VMWI)

Programmable DSS/Soft keys

Network Time Synchronization

Built-in Bluetooth 4.2: Support Bluetooth headset

Support Wi-Fi Dongle

Support Plantronics wireless headset (Through Plantronics APD-80 EHS Cable)

Support Jabra wireless headset (Through Fanvil EHS20 EHS Cable)

Support Recording (Through Flash Drive or Server Recording)

Action URL / Active URI

uaCSTA

## Physical Specifications

Main LCD x1: 4.3 inch (480 x 272) color-screen LCD

DSS Key-mapping LCD x2: 3.5 inch (320x480) color-screen LCD

Keypad: 77 keys, including

- 4 Soft-keys
- 6 Function keys (Hold, Call forward, Phonebook, MWI, Headset, Redial)
- 4 Navigation keys
- 1 OK key
- 1 Return key
- 12 Standard Phone Digits keys
- 3 Volume Control keys, Up/Down/Mute (Microphone)
- 1 Hands-free key
- 42 DSS Keys with tri-color LED
- 3 Page-Switch (PS) key

HD Handset (RJ9) x1

Standard RJ9 Handset Wire x1

1.5M CAT5 Ethernet Cable x1

Back Rack x1

RJ9 Port x2: Handset x1, Headset x1

RJ45 Port x2: Network x1, PC x1 (Bridged to Network)

USB 2.0 Port x1: Standard A, Connect with Wi-Fi USB dongle or Flash Driver

DC Power Input: 5V/2A

Power Consumption (PoE): 2.6~ 9W

Power Consumption (Adapter): 2.4~8w

Working Temperature: 0~45°C

Working Humidity: 10~95%

Installation: Desktop Stand

Color: Dark gray

Device Dimensions:

- Desktop Stand (Angles 1): 309 x 214 x 187 mm
- Desktop Stand (Angles 2): 309 x 226 x 167 mm

Gift Box Dimensions: 323 x 301 x 71 mm

Outer CTN Dimensions: 624 x 383 x 348 mm (10 PCS)

## Networking

Physical: 10/100/1000 Mbps Ethernet, dual bridged port for PC by pass

IP Mode: IPv4 / IPv6 / IPv4& IPv6

IP Configuration: Static / DHCP / PPPoE

Network Access Control: 802.1x

VPN: L2TP / OpenVPN

VLAN

LLDP

QoS

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