



## Your end-to-end corporate communications system

### High definition (HD) sound quality and a comprehensive range of traditional business and VoIP features

- **Excellent sound quality** – high definition voice support in both the handset and speaker
- **Robust feature set** – includes traditional and advanced operations supported by the Xorcom IP-PBX
- **Efficient call management** – easy access to a variety of standard features via smart keys, such as voice messages, call log history, and contact list
- **Simple deployment** – plug & play, auto detection and provisioning by Xorcom IP-PBX server, phone- and Web-based configuration



The XP0120 is an advanced 3 line SIP phone with a graphic LCD.



The XP0100 is a basic 2-line SIP phone.



Up to two XP0020 expansion modules can be connected to the XP0120 to provide 38 additional programmable keys each.

# Specifications

## Connections

- LAN (PC port): 10/100Mb Ethernet
- WAN (Internet port): 10/100Mb Ethernet
- Adapter Input: AC 100-240V
- Adapter Output: DC 5V/1.2A
- PoE (802.3af) built-in (XP01x0P)
- PoE (802.3af): Class 2
- Handset (RJ-9)
- Headset (RJ-9)
- Foot stand
- Wall mountable
- Expansion module (XP0120/P)

## User Interface

- Display type:
  - 132x64 graphic LCD (XP0120/P)
  - 2x15 characters LCD (XP0100/P)
- LCD backlight (XP0120/P)
- 39 hard keys
  - 6 DSS keys
  - 6 Navigation keys
  - Volume key
  - 13 Fixed feature keys (9 in XP0120/P): Menu/DND/Intercom/Contact/Call History/Message/Headset/Conf/Hold/ Mute/Tran/Redial/Handsfree
- Power and ring indicator LED
- DSS keys with dual color LED
- Message indicator LED
- Headset indicator LED

## Voice

- HD voice: Codec/Speaker/Handset
- Wideband codec: G.722
- G.711 A-law/ $\mu$ -law
- G.726
- G.723.1
- G.729AB
- iLbc/GSM (optional)
- HAC (Hearing aid compatibility)
- VAD (Voice activity detection)
- CNG (Comfort noise generator)
- AEC (Acoustic echo canceling)
- PLC/AJB/AGC
- Side tone
- Quality of Service (Qos): 802.1p/Q, ToS/DSCP

## Personalization

- Customized logo upload & display (XP0120/P)
- Import of individualized ringtone
- Backlight duration selection
- Localized language

## Security

- SRTP (RFC3711)
- AES for auto-provision

## Telephony Features

- 3 SIP Accounts (2 in XP0100/P)
- Hands-free speakerphone (Full Duplex)
- Redial
- Auto redial
- Mute
- 3-way conferencing
- Caller ID display
- Call hold
- Call waiting
- Call transfer (blind/attended)
- Call forward
- Call History (all/misled/received/dialed/forwarded) - 100 entries
- DND
- Voice mail
- Message waiting indicator (MWI)
- Speed Dial
- Ringtone selection
- Volume control
- Tone setting
- Phonebook (300 entries)
- Phonebook search/import/export
- Central XML phonebook (XP0120/P)
- Black list
- Phone lock (keypad lock)
- # or \* key as "Send" function
- Hotline
- Reset to factory default

## IP PBX and IP Centrex features

- BLF (Busy Lamp field)
- BLA (Bridged Line Appearance)
- Paging
- Intercom
- Call park
- Call pickup
- Call completion
- Call recording
- Anonymous call
- Anonymous call rejection
- Auto answer
- Emergency call
- Call return
- Group pickup
- Group listening
- Distinctive ringtone
- Music on hold (via PBX)
- Dial plan
- Dial now

## Web Interface

- Embedded Web server: HTTP
- Web functions
  - Edit phonebook
  - Dial out
  - Hang up

## Network and Time

- WAN Static IP/DHCP/PPPoE
- PC port mode: Bridge/Router
- DHCP server for PC port
- VLAN (802.1Q and 802.1P)
- SNTP/NTP
- Manual date/time configuration
- Daylight saving time

## Management (config/upgrade)

- Configuration via LCD
- Configuration via Web
- Configuration via auto provision
- Automatic firmware update
- Manual firmware update
- Auto provisioning: TFTP/FTP/HTTP/HTTPS
- Auto provisioning with PnP
- System log export

## SIP

- SIP v1 (RFC2543)
- SIP v2 (RFC3261)
- UDP/TCP/TLS
- Out-of-band DTMF (RFC 2833)
- In-band DTMF
- SIP INFO DTMF
- STUN client (NAT traversal)
- Report (RFC3581)
- Digest/basic authentication: Digest (MD5)
- Peer-to-peer SIP link mode
- Loose routing and strict routing support
- PRACK (RFC3262)
- Error-information support
- Reliability of provisional responses (RFC3262)
- Offer/answer (RFC3264)
- Message Waiting Indication (RFC3842)
- Subscription for MWI events (RFC3265)
- Dialog-state monitoring (RFC 4235)
- REFER (RFC3515)
- Event list subscription support (RFC4662)

## General

- Flash memory: 64Mbit
- SRAM memory: 256Mbit
- Temperature: 0-60°C
- Humidity: 10-95%
- Power consumption (approx.): 1.4-2.6W

## Packaging

- Individual package: 265x128x210mm
- Phone units per carton: 10 pcs
- Carton dimensions: 665x545x220mm
- Carton weight: 7 kg



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