

## Fanvil X4/X4G Enterprise IP Phone

The new Fanvil X4 IP Phone is a enterprise desktop phone which comes with an intelligent DSS Key-mapping LCD to increase enterprise users' work efficiency at a cost-effective price.

### Highlights

- ✓ DSS Key-mapping LCD – 6 DSS keys corresponded to the LCD display to provide dynamic DSS/BLF functions up to five pages at virtualized total 30 DSS keys.
- ✓ Fast / Gigabit Ethernet – 10/100Mbps or 10/100/1000Mbps Ethernet with POE enabled.
- ✓ Economic and Environmental Friendly design with Elegant housing.
- ✓ High Interoperability – Compatible with major platforms: 3CX, Asterisk, Broadsoft, Elastix, Zycoo, etc.



Model	Screen	Network	POE	Power adapter
X4	2.8" color-screen	10/100Mbps	√	×
X4G	2.8" color-screen	10/100/1000Mbps	√	×

### Generic

- 4 SIP Lines
- HD Voice
- POE Enabled
- 2 LCDs (Main + DSS)
- Handset / Hands-free / Headset mode
- Intelligent DSS Keys
- Desktop / Wall-mount installation
- Optional External Power Supply

### Call Features

- 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/Auto-Redial
- Do-Not-Disturb
- Auto-Answering
- Voice Message (on server)
- 3-way Conference
- Hot Line
- Hot desking

### Phone Features

- Local Phonebook (500 entries)
- Remote Phonebook (XML/LDAP, 500 entries)
- Call logs ( in/out/missed, 600 entries)
- Black/White List Call Filtering
- Screen saver
- Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Support Plantronics wireless headset (Through Plantronics APD-80 EHS Cable)
- Support Jabra wireless headset (Through Fanvil EHS20 EHS Cable)
- Support Recording (Through Server Recording )
- Action URL / Active URI
- uaCSTA

### Audio

- HD Voice Microphone/Speaker (Handset/Hands-free, 0~7KHz Frequency Response)
- Wideband ADC/DAC16KHz Sampling
- Narrowband CODEC: G.711a/u, G.723.1, G.726-32K, G.729AB
- Wideband CODEC: G.722
- 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 up to 300ms
- DTMF: In-band, Out-of-Band – DTMF-Relay(RFC2833) / SIP INFO

### Networking

- Physical: 10/100Mbps(X4), 10/100/1000Mbps(X4G) Ethernet, dual

bridged port for PC bypass

- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP / OpenVPN
- LLDP
- QoS
- RTCP-XR(RFC3611), VQ-RTCPXR(RFC6035)

### Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- PPPoE
- LLDP
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

### Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP/PT66/SIP PnP/TR-069
- Web Management Portal
- Web-based Packet Dump
- Configuration Export / Import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog

### Physical Specifications

- Main LCD x1: 2.8 inch (320x240) color-screen LCD
- DSS Key-mapping LCD x1: 2.4 inch color-screen LCD
- Keypad: 38 keys, including
  - 4 Soft-keys
  - 6 Function keys (Hold, Call forward, Conference, Phonebook, Call logs, Redial)
  - 4 Navigation keys
  - 1 OK key
  - 12 Standard Phone Digits keys
  - 3 Volume Control keys, Up/Down/Mute(Microphone)
  - 1 Hands-free key
  - 6 DSS Keys with tri-color LED
  - 1 Page-Jump/Configuration (PJC) 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)
- DC Power Input: 5V/600mA(X4), 5V/1A(X4G)
- Power Consumption (X4): Idle 1.2W~1.9W, Peak 2.4W~3.5W
- Power Consumption (X4G): Idle 1.8W~2.5W, Peak 3W~4.5W
- Working Temperature: 0~40°C
- Working Humidity: 10~95%
- Installation: Desktop Stand or Wall-mount
- Color: Black
- Device Dimensions:
  - Desktop Stand (angles 1): 196x169x172mm
  - Desktop Stand (angles 2): 196x185.7x153mm
  - Wall-mount: 196x102.9x218mm
- Gift Box Dimensions: 270x270x65mm
- Outer CTN Dimensions: 555x340x290mm (10 PCS)