

## FANVIL X6 Enterprise IP Phone

### A New Enterprise Color-LCD Phone with Intelligent DSS Key-mapping LCD Display

The new Fanvil X6 IP Phone is a high-end enterprise desktop phone which comes with 2 intelligent DSS Key-mapping color LCDs to increase enterprise users' productivity.

#### Highlights

- ✓ 2 DSS Key-mapping LCD – 12 DSS keys corresponded to the LCD display to provide dynamic DSS/BLF functions up to five pages at virtualized total 60 DSS keys.
- ✓ Gigabit Ethernet – 10/100/1000Mbps Ethernet with POE enabled.
- ✓ Economic and Environmental Friendly design with Elegant
- ✓ Housing, with high-resolution TFT color display, delivering a rich visual experience.
- ✓ High Interoperability – Compatible with major platforms: 3CX, Asterisk, Broadsoft, Elastix, Zycoo, etc.



#### Generic

- 6 SIP Lines
- HD Voice
- Support receiving Video call
- POE Enabled
- 3 LCDs (Main + DSS)
- Handset(HS) / Hands-free(HF) / Headphone(HP) mode
- Intelligent DSS Keys
- Optional External Power Supply
- Industrial Standard Certifications: CE/FCC

#### 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
- Do-Not-Disturb (per line / per phone)
- Auto-Answering (per line)
- Voice Message (on server)
- Local 3-way Conference
- Hot Line
- Hot-Desking

#### Phone Features

- Phonebook (1000 entries)
- Remote Phonebook (XML/LDAP)
- Call log (1000 entries, in/out/missed)
- Black/White List Call Filtering
- Screensaver
- Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Support Bluetooth headset (Through USB Dongle BT20)
- Support Plantronics Wireless headset (Through Plantronics APD-80 EHS Cable)
- Support Recording (Through Flash Drive)
- Action URL / Active URI
- CSTA

#### Video

- Video codec: H.264
- Video call resolution: QCIF / CIF / VGA

#### Audio

- HD Voice Microphone/Speaker (Handset/Hands-free, 0 ~ 7KHz
- Frequency Response)
- Wideband ADC/DAC 16KHz Sampling
- Narrowband CODEC: G.711a/u, G.723.1, G.726-32K, G.729AB, AMR, iLBC, Opus
- Wideband CODEC: G.722, AMR-WB, Opus(16KHz)
- Full-duplex Acoustic Echo Cancellor (AEC) – Hands-free Mode, 96ms tail-length

- 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: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass
- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP (Basic Unencrypted) / OpenVPN
- VLAN
- LLDP
- QoS
- RTCP-XR(RFC3611),VQ-RTCPXR(RFC6035)

## Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- LLDP
- PPPoE
- 802.1x
- L2TP (Basic Unencrypted)
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR069

## RFCs:

354/1321/1350/1769/1889/1890/2131/2132/2616/2617/2661/2833/2976/3261/3262/3263/3264/3265/3268/3311/3489/3711/4346/4566/5630/5865

## Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR069

- Web Management Portal
- Web-based Packet Dump
- Configuration Export / Import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog

## Physical Specifications

- Main LCD x1: 4.3 inch (480x272) color-screen LCD
- DSS Key-mapping LCD x2: 2.4 inch (240x320) color-screen LCD
- Keypad: 46 keys, including
  - 4 Soft-keys
  - 8 Function keys (Hold,Call forward,Conference,Phonebook,Call log,MWI,Headset, Redial)
  - 4+1 Navigation keys + OK
  - 12 Standard Phone Digits keys
  - 3 Volume Control keys, Up/Down/Mute(Microphone)
  - 1 Hands-free key
  - 12 DSS Keys with tri-color LED
  - 1 Page-Switch (PS) key
- HD Hands-free Speaker (0 ~ 7KHz) x1
- HD Hands-free Microphone (0 ~ 7KHz) x1
- HD Handset (RJ9) x1
- USB Port x1 (Connect with BT USB dongle or Flash Driver)
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- RJ9 Phone Jacket x2: Handset x1, Headphone x1
- RJ45 Ethernet Jacket x2: Network x1 (802.3AF PoE class 3), PC x1 (Bridged to Network)
- Main Chipset: Broadcom
- DC Power Input: 12V/1A
- Power Consumption: POE: Idle –3.12~ 3.6W, Peak – 6~10.1W, Adapter: Idle –1.97~ 2.32W, Peak –4.2~7.1W
- Working Temperature: 0 ~ 40°C
- Working Humidity: 10 ~ 95%
- Back Rack x1: Desktop Stand (Two angles)
- Color: Black
- Device Dimensions: 244 x 201 x 169.5mm(Desktop Stand)
- Gift Box Dimensions: 315 x 270 x 65mm
- Outer CTN Dimensions: 315 x 270 x 65mm (10 PCS)

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products. Customers should consult Fanvil's retailers, distributors, or Fanvil directly, if customers have concerns on any feature.

For more information, please visit: [www.fanvil.com](http://www.fanvil.com)

## Company Profile:

Fanvil Technology Co., Ltd. is a professional developer and manufacturer of VoIP products. Fanvil provides VoIP communication devices solutions for small and medium sized businesses, as well as large mission-critical enterprise environments.

## Compatibility List:

