Fanvil

X6 Enterprise IP Phone

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' work efficiency.

Highlights

☑ 20 SIP lines, 3-way conference, hotspot
☑ HD audio on speakerphone and handset
☑ 4.3" main color display, 2x2.4" side color displays for DSS keys
☑ Support Bluetooth headset(Via BT dongle)
☑ Wi-Fi connectivity(Via Wi-Fi dongle)
☑ Up to 60 DSS keys(12 tri-colored physical keys)
☑ Video Codec H.264 support for receiving video calls
☑ Dual Gigabit ports, integrated PoE
☑ Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya etc.

Model	Screen	Network	PoE	Power adapter
X6	4.3" color-screen	10/100/1000 Mbps	√	—

Generic

● 20 SIP Lines
● HD Voice
● Support receiving Video call（V1.0 dosen't support this）
● PoE Enabled
● 3 LCDs (Main + DSS)
● Handset / Hands-free / Headset mode
● Intelligent DSS Keys
● Optional External Power Supply

Phone Features

● Local Phonebook (2000 entries)
● Remote Phonebook (XML/LDAP, 2000 entries)
● Call logs (In/out/missed, 1000 entries)
● Black/White List Call Filtering
● Screen saver
● Voice Message Waiting Indication (VMWI)
● Programmable DSS/Soft keys
● Network Time Synchronization
● Support Wi-Fi Dongle
● Support Bluetooth headset (Through USB Dongle BT20)
● Support Plantronics wireless headset (Through Plantronics APD-80 EHS Cable)
● Support Jabra wireless headset (Through Fanvil EHS20 EHS Cable)
● Support USB headset
● Support Recording (Through Flash Drive or Server Recording)
● Action URL / Active URI
● uaCSTA

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
● Auto-Answering
● Voice Message (On server)
● 3-way Conference
● Hot Line
● Hot desking

Video （V1.0 dosen't support this）

● 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
- Wideband Codec: G.722, AMR-WB, Opus
- 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: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass
- 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)

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- LLDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

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

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 Navigation keys
  - 1 OK key
  - 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 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)
- USB2.0 Port x1: Standard A, Connect with Wi-Fi USB dongle or Flash Driver
- DC Power Input: 12V/1A
- Power Consumption (PoE): 3.12~10.1W
- Power Consumption (Adapter): 1.97~7.1W
- Working Temperature: 0~45℃
- Working Humidity: 10~95%
- Installation: Desktop Stand
- Color: Black
- Device Dimensions
  - Desktop Stand (Angles 1): 263.7x200.7x169.5mm
  - Desktop Stand (Angles 2): 263.7x223.5x155.7mm
- Gift Box Dimensions: 315x270x65mm
- Outer CTN Dimensions: 555x340x335mm (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.
For more information, please visit: www.fanvil.com

Compatibility List:

3CX | Asterisk | AVAYA | broadsoft | epygi | HUAWEI | Jabra GN | metaswitch | NEC
New Rock | OpenVox | Phonism | plantronics | PORTA ONE | SENNHEISER | Yeastar | ZTE中兴 | ZYCOO