

### FANVIL X4/G Enterprise IP Phone

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

The new Fanvil X4 IP Phone is a high-end enterprise desktop phone with an intelligent DSS key-mapping LCD which increase enterprise users' productivity 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 – 10/100/1000Mbps Ethernet with POE enabled.
- ✓ Economic and environmental friendly design with Elegant housing.
- ✓ High interoperability – compatible with major platforms: 3CX, Asterisk, Broadsoft, Elastix, Zycoo, etc.

#### Generic

- 4 SIP Lines
- HD Voice
- POE Enabled
- 2 LCDs (Main + DSS)
- Handset(HS) / Hands-free(HF) / Headset(HP) Mode (EHS support for Plantronics headsets)
- Intelligent DSS Keys
- Desktop / Wall-mount Installation
- Optional External Power Supply
- Economical and Environmental Friendly Package
- 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/Auto-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 (500 entries)
- Remote Phonebook (XML/LDAP)
- Call log 630 Entries, In/Out/Missed
- Black/White List Call Filtering
- Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft Keys
- Network Time Synchronization
- Action URL / Active URI

#### 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
- Wideband CODEC: G.722
- Full-duplex Acoustic Echo Canceller (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: 10/100Mbps(X4), 10/100/1000Mbps(X4G) Ethernet, Dual

Bridged Port for PC Bypass

- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP (Basic Unencrypted) / OpenVPN
- VLAN
- QoS

### Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- 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

- 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: 2.8 inch (320x240) Color-screen LCD
- DSS Key-mapping LCD x1: 2.5inch Color-screen LCD
- Keypad: 38 keys, including
  - 4 Soft Keys
  - 6 Function Keys
  - 5 Navigation Keys
  - 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 Hands-free Speaker (0 ~ 7KHz) x1
- HD Hands-free Microphone (0 ~ 7KHz) x1
- HD Handset (RJ9) x1
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- RJ9 Phone Jacket x2: Handset x1, Headset x1
- RJ45 Ethernet Jacket x2: Network x1 (802.3AF POE Class 2 Enabled), PC x1 (Bridged to Network)
- Main Chipset: Broadcom
- DC Power Input: 5V/1A
- Power Consumption: (X4) Idle – ~ 1.3W, Peak – ~4.3W (X4G) Idle – ~ 1.7W, Peak – ~5.7W
- Working Temperature: 0 ~ 40°C
- Working Humidity: 10 ~ 65%
- Dual-Functional Back Rack x1: Desktop Stand / Wall-mount
- Color: Black
- Package Dimensions: 285x270x65mm (W x H x L)

### Deployment & Maintenance

#### 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.

