Fanvil

# X5/X5G Specification

## FANVIL X5/X5G Enterprise IP Phone

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

The new Fanvil X5 IP Phone is a high-end enterprise desktop phone which comes with an intelligent DSS Key-mapping LCD to increase enterprise users' productivity at a cost-effective price.




### Highlights

- √ DSS Key-mapping LCD – 8 DSS keys corresponded to the LCD display to provide dynamic DSS/BLF functions up to five pages at virtualized total 40 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

- 6 SIP Lines
- HD Voice
- POE Enabled
- 2 LCDs (Main + DSS)
- Handset(HS) / Hands-free(HF) / Headphone(HP) mode
- 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 (300 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

**SYSCOM**
Ave 20 de Noviembre No. 805 Col. Centro
Chihuahua, Chih. 31000
Tel 052 (614) 415 – 2525
www.syscom.mx

**EPCOM**
1630 Paisano Dr.
El Paso. Tx 79901.
Ph (915)533-5119
www.epcom.net

# X5/X5G Specification

## Networking

- Physical: 10/100Mbps(X5), 10/100/1000Mbps(X5G) 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

## 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: 128x64 dot-matrix with backlit
- DSS Key-mapping LCD x1: 64x192 dot-matrix
- Keypad: 38 keys, including
  - 4 Soft-keys
  - 3 Function keys
  - 4+1 Navigation keys + OK
  - 12 Standard Phone Digits keys
  - 3 Volume Control keys, Up/Down/Mute(Microphone)
  - 1 Hands-free key
  - 8 DSS Keys with tri-color LED
  - 1 Page-Switch (PS) key 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, Headphone 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: (X5) Idle – ~ 1.3W, Peak – ~4.3W (X5G) Idle – ~ 1.7W, Peak – ~5.7W
- Working Temperature: 0 ~ 40℃
- Working Humidity: 10 ~ 65%
- Dual-Functional Back Rack x1: Desktop Stand / Wall-mount
- Color: Black
- Package Dimensions: 285x270x65mm (W x H x L)

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

**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.

**SYSCOM**
Ave 20 de Noviembre No. 805 Col. Centro
Chihuahua, Chih. 31000
Tel 052 (614) 415 – 2525
www.syscom.mx

**EPCOM**
1630 Paisano Dr.
El Paso. Tx 79901.
Ph (915)533-5119
www.epcom.net