

**CISCO****CISCO****3CX**

## FANVIL IP7921 SOHO IP Phone

The phone designed for Internet life

Fanvil's new IP7921 - IP Phone is an industrial masterpiece, offers superior user experience and simplicity for home and office users with elegant appearance and intelligent software. IP7921 is positioned to be not only a telephone sitting on user's desktop for communication, but also a nice artwork in your living room or office.

- ✓ The finest artwork in IP telephone industry
- ✓ 2.4/2.8 inch (320x240) color-screen LCD
- ✓ Easy installation and configuration
- ✓ Smart and friendly user interface
- ✓ Secure and complete provisioning protocols
- ✓ High interoperability – compatible with major platforms:  
3CX, Broadsoft, Elastix, Asterisk, Xorcom, etc.



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## Generic

- 2 SIP Lines
- HD Voice
- POE Enabled(IP7921)
- Handset(HS) / Hands-free(HF) / Headset(HP) Mode (EHS supports for Plantronics headsets)
- Desktop / Wall-mount Installation
- 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
- 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

## Phone Features

- Phone Accessibility Control by User PIN
- Intelligent Phonebook (up to 500 Entries Total)
- Remote Phonebook (XML/LDAP)
- Intelligent Contact Number Matching / Filtering
- Call Log (630 Entries Total, In/Out/Missed)
- Voice Message Waiting Indication (VMWI)
- Network Time Synchronization
- Multi-language Support in Screen and Web UI: English, Chinese(Traditional/Simplified), Japanese, Russian, Italian, Turkish, Germany, Dutch, Spanish, Hebrew, Polish, French etc.

## 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(IP7921),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 Backup/Restore
- Auto/Manual Online Software Upgrade
- Syslog

## Physical Specifications

- LCD x1: 2.4/2.8 inch (320x240) Color-screen LCD
- Keypad: 32 Keys, Including
  - 4 Soft Keys
  - 12 Standard Phone Digits Keys
  - 5 Navigation Keys
  - 2 Line keys with Tri-color LED
  - 5 Function Keys
  - 3 Volume Control Keys, Up/Down/Mute(Microphone)
  - 1 Hands-free Keys
- 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, Headsetx1
- RJ45 Ethernet Jacket x2: Network x1 (802.3AF POE Class 1 Enabled), PC x1 (Bridged to Network)
- Main Chipset: Broadcom
- DC Power Input: 5V/600mA
- Working Temperature: 0 ~ 40℃
- Working Humidity: 10 ~ 65%
- Dual-Functional Back Rack x1: Desktop Stand / Wall-mount
- Color: Black
- Package Dimensions: 275x215x62mm (W x H x L)

## Firmware

- 3CX IP PBX Version 14 or Higher.
- Cisco Unified Border Element (CUBE), Cisco Gateway Version 8.6 or Higher.

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)

## Compatibility



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