

# INNOMEDIA

# IP Phone P720

## OFFICE IP PHONE

### FEATURE-RICH AND HIGHLY MANAGEABLE OFFICE IP PHONE

The InnoMedia IP Phone P720 is designed to fulfil the needs of Enterprises, SMEs and Home Office applications. It offers all the features you would expect on a business telephone with a 2.8" backlit LCD, full duplex speakerphone, an intuitive user interface and crystal-clear wideband codec support.

Expanding on InnoMedia's widely deployed Broadband IP Telephony product portfolio, the P720 is equipped with a flexible and secured deployment mechanism to deliver a field-proven and cost-effective IP communications solution. The P720 is ideally positioned for service providers to deploy telephony services to their business customers with an IP Phone that emphasizes ease of interaction and maximizes business productivity.

## P720

- 2.8" 240x320 HD display with backlight
- 6 multi-functional line keys with up to 30 Paperless DSS keys
- Distraction-free Wideband HD voice quality with full-duplex speakerphone
- Opus codec support
- Dual-port Gigabit Ethernet
- Integrated PoE support
- 1x Built-in USB port for power charging
- Up to 6 SIP accounts
- Device-based 3-way conferencing
- Wall-mountable
- Integrated stand with 2 adjustable angles
- Secured remote diagnostics



**Rapid and Secured Deployment.** The P720 supports various forms of auto-provisioning utilizing HTTP, HTTPS, FTP, or TFTP. The auto-provisioning feature enables dynamic and secure software upgrades as well as in-service configuration updates. These capabilities make this IP phone an ideal solution for service providers looking for rapid and scalable voice service deployments.

**Networking and Security.** With a host of advanced networking features such as DHCP server support and bridge/router mode for the PC port, as well as security capabilities including VPN support and a phone lock for privacy, the P720 is designed to meet the needs of a range of deployment models.

**Telephony Features.** The P720 offers 6 SIP accounts, call features such as call forwarding, call waiting, 3-way conferencing, call histories and blacklists, as well as multiple phone books and support for multiple languages. It also offers both a headset and handset jack for ease of use. Together, these provide a rich feature set that is capable of fulfilling the requirements of a wide variety of users.

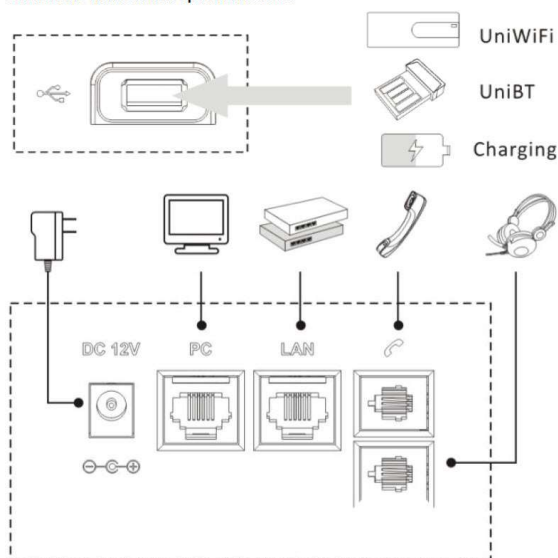
**Intuitive User Interface.** The interface of the P720 is designed specifically to enhance the user experience. Multiple paperless DSS keys allow shortcut functions to be programmed for features such as speed-dialing, BLF/BLA etc., along with visual line status on the phone set.

## INTEROPERABILITY LIST



## P720 INTERFACES

Connect the Handset and optional Headset



Power supply options:

- AC power adapter (DC 12V)
- PoE IEEE 802.3af
- USB (Standard 0.5A)

PC/LAN – 2x Gigabit Ethernet ports (RJ-45)

Handset and headset ports (RJ-9)



SPECIFICATIONS

Software Specifications: Phone Features

Category	Specifications
Phone Features	<ul style="list-style-type: none"> <li>• 6 SIP accounts</li> <li>• Hotline feature</li> <li>• Call hold, Call waiting, Call forward, Call return</li> <li>• Call transfer (blind/consulted/on-hold)</li> <li>• Caller ID display, Redial, Mute, DND</li> <li>• Auto-answer</li> <li>• 3-way conferencing</li> <li>• Speed dial</li> <li>• SMS support</li> <li>• Voicemail Message Waiting Indication LED</li> <li>• Volume control</li> <li>• Direct IP call without SIP proxy</li> <li>• Ring tone selection/import/delete</li> <li>• Blacklist, Hands-free indicator</li> <li>• Call history: dialed/received/missed</li> <li>• Multi-Language support</li> <li>• Programmable soft keys</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• XML Phone Book search and input/output</li> <li>• Enterprise/personal phone books</li> <li>• LDAP phone book</li> <li>• Customizable function keys</li> <li>• Support for up to 30 DSS keys</li> <li>• EHS (electronic hook switch) support</li> </ul>
IP PBX System Integration	<ul style="list-style-type: none"> <li>• Busy lamp field (BLF), BLF list</li> <li>• Bridged line appearance (BLA)</li> <li>• DND (do-not-disturb)</li> <li>• Call Forward busy/always/no answer</li> <li>• Intercom, Paging, Music on hold</li> <li>• Call pickup, Dial Plan, Call recording</li> <li>• Anonymous call, Anonymous call rejection</li> <li>• Server-based conferencing</li> <li>• Distinctive ringtone</li> </ul>



## Software Specifications: Protocols and Voice Features

Category	Specifications
Signaling Protocol	SIP 1.0 (RFC2543), SIP 2.0 (RFC3261) STUN-based NAT traversal
Transport Protocol	ICMP, UDP, TCP, TLS
SIP Proxy Redundancy	Dynamic through use of DNS SRV, A records Static redundant proxy assignment
Speech Codec Capabilities	Opus, G.711 $\mu$ /A-law, G.729, G.722, G.726, iLBC
Signal Processing	<ul style="list-style-type: none"> <li>• Echo cancellation, AEC</li> <li>• Attenuation and gain adjustment</li> <li>• Comfort noise generation (CNG)</li> <li>• Visual messaging waiting indicator</li> <li>• Packet loss concealment</li> <li>• Hook flash event signaling</li> <li>• Voice activity detection (VAD)</li> <li>• Jitter buffer: adaptive, fixed</li> <li>• Automatic Gain Control (AGC)</li> </ul>
DTMF Tone	DTMF tone detection and generation: RFC2833, in-band, SIP INFO
Tones	<ul style="list-style-type: none"> <li>• Ring back tone</li> <li>• Off-hook warning tone</li> <li>• Message waiting tone</li> <li>• Reorder tone</li> <li>• Busy tone</li> <li>• Dial tone</li> <li>• Call waiting tones (multiple)</li> <li>• Confirmation tone</li> <li>• Multiple country support: <ul style="list-style-type: none"> <li>– Ring cadence</li> </ul> </li> </ul>
SIP Capabilities	<ul style="list-style-type: none"> <li>• SIP INFO for DTMF/Flash-hook</li> <li>• SIP NOTIFY</li> <li>• SIP OPTIONS</li> <li>• SIP PRACK</li> </ul>

## Software Specifications: OAM&amp;P

Category	Specifications
Remote Access / Diagnostics	Management console support: WEB (HTTP, HTTPS - optional), Telnet Protocol: syslog
Dynamic Provisioning and Secured Software Upgrade	<ul style="list-style-type: none"> <li>• Automated provisioning with in-service configuration update and software upgrade using HTTPS, HTTP, FTP, TFTP</li> <li>• Asynchronous server-initiated provisioning using SIP NOTIFY</li> </ul>
Debug	Packet trace package and/or system log export

Software Specifications: Security and Networking

Category	Specifications
Security	<ul style="list-style-type: none"> <li>• 802.1X authentication</li> <li>• LLDP, VLAN QoS (802.1pq), VPN (L2TP, OpenVPN)</li> <li>• Transport Layer Security (TLS)</li> <li>• Digest authentication using MD5/MD5-sess</li> <li>• Secure configuration file via AES encryption</li> <li>• Phone lock for personal privacy protection</li> <li>• Admin/User 2-level configuration modes</li> <li>• SIP security for trusted SIP user agents only</li> </ul>
IP and data networking	<ul style="list-style-type: none"> <li>• IP assignment: Static/DHCP/PPPoE client</li> <li>• DHCP Server</li> <li>• DNS client, NAT/DHCP server</li> <li>• Bridge/Router mode for PC port</li> <li>• SNTP (simple network time protocol)</li> <li>• TR-069 (optional)</li> </ul>
QoS	Voice packet prioritization over other packet types. TOS settings for: VoIP SIP signaling, and Voice media traffic

Regulatory Compliance

Category	Specifications
Certificate/Compliance	FCC, CE, RoHS, ISO 9000

Physical Features and Environmental Specifications

Category	Specifications
Phone set	<ul style="list-style-type: none"> <li>• 240x320-pixel color display with backlight</li> <li>• 37 keys, 8 LED lights</li> <li>• Wall-mountable (optional)</li> <li>• 1x RJ-9 handset port</li> <li>• 1x RJ-9 headset port</li> <li>• 2x RJ-45 10/100/1000M Ethernet ports</li> <li>• Power adapter: AC 100~240V input and DC 12V/1A output</li> <li>• 1x USB port</li> <li>• Power over Ethernet, IEEE 802.3af, class 0</li> <li>• Power consumption: 2.5-3.5W</li> <li>• Operating humidity: 10~95%</li> <li>• Storage temperature: up to 60°C (140°F)</li> <li>• Dimensions: 185mm x 188mm x 62mm (7.3" x 7.4" x 2.4")</li> </ul>



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