



# IP7g Universal IP Phone

## Product Features & Specifications\*

The IP7g is an Enterprise-Grade IP Phone that seamlessly integrates with a wide variety of VoIP Cloud & Onsite Phone Systems including Broadsoft, Asterisk and XBLUE QB Series Platforms.\*\*

### General

- 4 SIP Lines / Account Registrations
- HD Voice Handset & Speakerphone
- POE - Power Over Ethernet Enabled
- 2 LCDs (Main 2.8" & User DSS 2.4" )
- Handset(HS) / Hands-free(HF) / Headphone(HP) modes (EHS support for Plantronics™ headsets)
- Intelligent DSS Keys / Direct User Programmable
- Desktop / Wall-mount installation
- Optional External Power Supply
- Economical and Environmentally friendly
- 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

### 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 (96 millisecond 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

### Phone Features

- Phonebook (500 entries)
- Remote Phonebook (XML/LDAP)
- Call log (100 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

### Networking

- Physical: 10/100/1000Mbps Ethernet dual bridged ports for PC bypass
- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP (Basic Unencrypted) / OpenVPN
- VLAN
- QoS

## Physical Specifications

- Main LCD x1: 2.8 inch (320x240) color-screen LCD
- User DSS Key-mapping LCD x1: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, 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: (IP7G) Idle – ~ 1.3W, Peak – ~4.3W
- (IP7G) 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: Charcoal / Black
- Package Dimensions: 285x270x65mm (W x H x L)

## Product Options & Ordering:

<u>Item #</u>	<u>Description</u>
IP7G	IP7g Phone without power supply
IP7GPS	IP7g Phone with power supply
PS7G	Add-on power supply for IP7g Phone

## 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

## 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

## RFC Compliance:

354/1321/1350/1769/1889/1890/  
2131/2132/2616/2617/2661/2833/  
2976/3261/3262/3263/3264/3265/  
3268/3311/3489/3711/4346/4566/  
5630/586

---

## XBLUE Offers High Quality “Live” Pre & Post Sales Phone Support

Call us toll free at (866) 925-8312. Our US based technical support staff is ready to assist! So please call us with any questions you might have regarding the purchase of an XBLUE phone system or any time after your purchase for real time personal assistance.

