



## Advanced Gigabit IP Business Phone

The ZIP 45G incorporates a 3.7" backlit graphical display and dual Gigabit Ethernet ports, in a feature rich IP phone suitable for the most demanding of users.

Functions and contacts may be accessed quickly via 21 programmable soft keys. A dedicated headset port and Electronic Hook Switch support offer enhanced usability for wired and wireless headset users. The optional ZIP 450M Expansion Module supports additional programmable keys.

The ZIP 45G is fully compatible with Zultys' ZAC and MXIE Unified Communication applications, allowing users to manage calls and messages directly from their computer.

Like all Zultys phones, the ZIP 45G utilizes the Session Initiation Protocol (SIP) open standard and is managed from the Zultys MX Administrator application for rapid deployment and dramatically lowering the total cost of ownership.



## Key Features and Benefits:

### Support for Wi-Fi or Bluetooth or Wireless Headsets

Enjoy the flexibility of wireless network connectivity by combining the ZIP 45G with the optional dual band Wi-Fi adapter. Staff requiring mobility around the office will appreciate the convenience of Electronic Hook Switch (EHS) control when the ZIP 45G is combined with a compatible Wireless Headset and the Zultys EHS4x USB adapter. The ZIP 45G may also be used with compatible wired, USB or Bluetooth headsets (requires optional Bluetooth adapter).

### Easy to Use

The ZIP 45G phone has been designed with ease of use as a priority. A combination of dedicated and context sensitive soft keys provide easy access to commonly used functions such as Voicemail, Conference, Hold, Mute, Transfer, Redial, Do Not Disturb, Park/Pickup and more to ensure the user is able to concentrate on the call at hand. Eight LCD labeled buttons support up to 21 programmable keys (3 pages of 7 keys) for Line Appearances, Busy Lamp Field (BLF), Speed Dial, Park Slot Monitoring and more. The ZIP 45G may be combined with up to three ZIP 450M Color Expansion Modules to facilitate up to 180 additional LCD labeled keys.

### Remarkable HD Audio

Full-duplex speakerphone with acoustic echo cancellation, combined with high quality wideband HD speaker, microphone and handset components ensure conversations are always loud and clear, at the same time minimizing fatigue for heavy phone users.

### Simplified Deployment & SIP Open Standard

Flexible network connectivity, with dual auto-sensing Gigabit Ethernet ports including IEEE 802.3af Power-Over-Ethernet (PoE) support simplifies deployment. Wireless network connectivity is supported via the optional USB Wi-Fi adapter (2G/5G). Zultys' leadership in SIP open standards IP telephony for more than a decade provides peace of mind and investment protection.

## Feature Highlights

- 3.7" 360 x 160 pixel backlit LCD
- Dual Gigabit Ethernet ports
- Full call control via ZAC/MXIE
- 21 programmable LCD labeled keys
- 4 context sensitive soft keys
- Local 3-way conference
- Flexible headset support
- Supports ZIP 450M LCD Expansion
- Busy Lamp Field (BLF)
- Bluetooth and Wi-Fi supported via optional USB adapters
- XML Browser
- MX system & LDAP contact directories
- Call forward/Call waiting
- One-touch call transfer and conference
- One-touch call record button with look back capabilities
- Call park and pick up
- Displays caller and called line info
- Call Log and Redial
- Missed call notification
- Paging and Intercom auto-answer
- VLAN, DSCP and QOS support
- SIP open standard
- MXnetwork Redundancy support
- 802.3af Power-over-Ethernet
- Hearing Aid Compatible (HAC) handset
- Log into Call Groups from phone
- Wall mountable (optional bracket required)



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# ZIP 45G

## Feature Keys

- 21 programmable LCD labeled soft keys
- 4 context sensitive soft keys
- Up to 8 line keys
- 4 navigation keys, select and cancel
- 7 dedicated function keys including: Redial, Mute, Volume, Speakerphone, Headset and Voicemail

## Audio and Codecs

- Full-duplex speakerphone
- Hearing Aid Compatible (HAC) handset
- USB and RJ9 headset support
- Electronic Hook Switch (EHS) support. Requires compatible wireless headset and EHS4x USB adapter (Part: 90-09304)
- Bluetooth headset support. Requires Bluetooth adapter (Part: 90-21105) and compatible Bluetooth headset.
- G.711  $\mu$ -law / A-law, G.729a
- G.722 wideband
- Independent volume setting for handset, headset, handsfree & ringer
- Echo cancellation
- Comfort noise
- Packet loss concealment

## Display and Indicators

- 3.7" 360x160 pixel backlit display
- LED's for message waiting indication (MWI), headset, handsfree & mute

## Security

- User and administrator level passwords
- HTTP/S configuration download and web management
- Phone lock with PIN
- Digest Authentication

## Localization

- English, Chinese, French, German, Italian, Polish, Portuguese, Russian, Spanish and Turkish
- Country-specific call progress tones

## Protocol

- IETF SIP (RFC3261) and associated RFCs
- Supports 6 SIP accounts

## Networking and Provisioning

- Dual 10/100/1000 Mbps switched Ethernet ports (LAN and PC ports)
- Wi-Fi 802.11a/b/g/n/ac network support. Requires Wi-Fi adapter (Part: 90-21155)
- Support for DHCP option 66, 43 and 176
- Time and date synchronization using SNTP
- Quality of Service (QoS) support – IEEE 802.1 p/Q VLAN and priority tagging, Type of Services (TOS), and Differentiated Services Code Point
- Network Address Translation (NAT) support
- Integrated HTTP/HTTPS server for web administration
- Mass deployment via central provisioning of configuration files – TFTP, HTTP, HTTPS
- Built-in troubleshooting tools including network packet capture
- RTCP support (RFC1889)
- RTP streaming for Paging and Intercom applications
- IEEE 802.1x protocol support
- LLDP-MED support

## Power

- Integrated IEEE 802.3af Power Over Ethernet (PoE) support (class 2)
- Power Consumption: 1.8 - 3.1W
- Optional AC adapter (5V/1.2A) sold separately

## Package Content

- Zultys ZIP 45G phone
- Handset and coil cord
- Ethernet cable
- Desktop foot stand
- Quick Start Guide

## Physical

- Dimensions (LWD) - 211 x 212 x 42mm (8.3" x 8.3" x 1.7")
- Weight - 890g (31 oz)
- Wall Mount bracket sold separately (Part: 90-21211)

## Operating Conditions

- Temperature: 0°C to 40°C (32°F to 104°F)
- Relative Humidity: 10% to 95%, non-condensing

## Certifications

- CE EMC and Safety
- FCC Part 15 Class B
- IC ICES-003 Issue 6
- RCM EMC, Safety and S004
- HAC US and Canada
- RoHS

## Part Number

- 90-0945G ZIP 45G phone, POE, no AC adapter

## MX firmware Requirements

- MX Release 14.0.6 or later

## ZIP 450M Expansion Module

### Display and Keys

- 4.3" 272x480 pixel color screen
- 60 programmable keys (3 pages x 20 keys)
- Up to 3 expansion modules may be daisy chained per phone (Phone and system limits apply to the maximum number of BLF keys)

### Power

- Powered from phone when 1 module connected, 2 or 3 modules requires AC adapter (sold separately)
- Power Consumption: 1.5W

### Physical

- Dimensions (WDH) - 197 x 124 x 138mm (7.8" x 4.9" x 5.4")
- Weight - 410g (14.5 oz)

### Operating Conditions

- Temperature: -10°C to 50°C (14°F to 122°F)
- Relative Humidity: 10% to 95%, non-condensing

### Part Number

- 90-09450 ZIP 450M Expansion Module



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