

High Quality Entry Level IP Phone With Encryption

The Zultys ZIP 2x2 delivers a cost effective fully featured SIP phone that supports AES Encryption. The ZIP 2x2 integrates the functions of a managed switch with a business phone, and provides a backlit display for convenient viewing. The phone is referred to as a "two by two" because it has two call appearances and two Ethernet circuits. It offers two LAN ports, two call appearances, a backlit graphical LCD, three-way conferencing, full-duplex speakerphone, encryption, power over Ethernet (PoE) deployment, multi-language menus, custom ring tones, multiple user login, built-in Quality of Service (QoS), DND, call forwarding, mute, and redial.

It is fully interoperable with the Zultys family of award-winning IP-PBX platforms, and can be fully managed by the Zultys MXIE Unified Communications desktop client.



Key Features and Benefits:

Remarkable Speech Quality

The phone is designed for high fidelity for the handset and speaker phone. These audio components are fine tuned to provide the best possible sound quality. The speaker phone has full duplex acoustic echo cancellation (AEC) so that the phone is fully functional as a speaker phone in an office or cubicle. The phone incorporates Zultys' patented jitter buffer. This ensures that speech quality is optimal, even when the network has varying delays and lost packets.

Encryption

The phone can encrypt the voice stream to another ZIP 2x2 or other equipment that supports AES encryption. Users can activate this function before or during a call. Alternatively, the administrator can enforce encryption so that it is not possible to establish a call without encryption. Encryption prevents the conversation from being decoded on the network.

Simplified Deployment

From initial deployment and configuration to future enhancements and upgrades, the Zultys ZIP 2x2 is designed to save your business time and money. Easily created configuration files, using any text editor and a variety of communication protocols, can be used to configure phones individually or centrally.

Data Features

The ZIP 2x2 has dual ports so users can connect to an additional device such as a PC, without any additional investment in an external switch. The Ethernet ports are wired so they can easily be connected to the network and the PC with straight through cables.

Two call appearances support two simultaneous calls

Two 10/100 Ethernet circuits connect to the LAN and an additional device

Store 100x personal speed dial numbers

Graphical backlit LCD

Buttons and keys for all commonly used functions

Menus in multiple languages

4 LEDs provide instant indication of status

Speech quality ensured by QoS at the Ethernet and IP layers and comprehensive jitter buffer

Speaker phone mode with acoustic echo cancellation for high quality audio

Speech encryption for secure conversations

Receives power over Ethernet (PoE) or from an ac adapter

Downloadable ring tones

Menu, browser, and TFTP support for configuration and updates

Feature Keys

18 dedicated hard keys (6 with dual function key) that include Transfer, Conference, Hold, Redial, Mute, 2 volume keys, Speaker, Options, Escape, Menu, OK and Encrypt.
2 dedicated call appearance keys with LEDs
2 navigational keys (function also as volume keys)

Audio and Codecs

Hearing aid compatible (HAC) handset
Acoustic echo cancellation in speaker mode provides high quality speakerphone
G.711 μ -law / A-law, G.729
Comfort noise
Packet loss concealment
Headset mode support (via handset jack)
Voice Quality metrics

Display and Indicators

3 line LCD display
LED for call and message waiting indication

Security

User and administrator level passwords for login
AES Voice Encryption for secure calls between ZIP2xN to Zip2xN phones, MXIE softphone and the MX (for voicemail)
Encryption of configuration files
Phone lock with PIN

Localization

Multi-lingual support – English, French, Spanish, Italian, German

- Downloadable language pack support for customization and additional language translations

Country-specific call progress tones and cadences
Latin1-2 Character Support

Protocol

IETF SIP (RFC3261) and associated RFCs

Networking and Provisioning

10/100 Mbps Ethernet
Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup
Support of multiple DHCP options: 66, 60, 43, 77, 159, 160
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 and maintenance including a built-in troubleshooting section
Mass deployment via central provisioning of user configuration files – TFTP, HTTP
Redundant server support

- DNS-SRV
- Local backup registrar and/or proxy server

RTCP support (RFC1889)
RTP streaming for Paging and Intercom applications
STUN / TURN support
IEEE 802.1x protocol support
LLDP-MED support

Power

POE and AC adapter (5V DC) included
3.5 W (Classification 0 under IEEE 802.3af)

Package Content

Zultys ZIP 2x2 phone (wall mountable)
Handset and coil cord
Ethernet cable
Programmable keys label
Documentation CD

Physical

165 mm (W) x 190 mm (D) x 85 mm (H) (6.5" x 7.4" x 3.3")
900gr (32 oz)
Wall Mountable

Operating Conditions

Operating Conditions:

- Temperature: 10° C to 40° C (50° F to 104° F)

Storage Temperature: 0° C to 50° C (32° F to 122° F)

Certifications

IEC609050
UL609050
CAN/CSA- C22.2 No. 60950
FCC part 15A, EN55022 class A
EN55024

Part Numbers

90-05255 – ZIP 2x2 SIP Phone with POE or AC Adapter