

ZIP 2+

IP Telephone

Overview

The ZIP 2+ is a low cost IP phone with two call appearances that can be used for business or residential applications. It has a backlit display for convenient viewing. The phone is available in white and black.

The ZIP 2+ is based on open standards. It uses SIP for call control, making it compatible with any IP phone system using the SIP standards. The phone supports all applicable standards for VLANs and QoS, ensuring that it is compatible with most networks, new or old. The phone is powered from an ac adapter.

The phone is simple for an administrator to install, manage, and maintain. After initial installation the phone can be moved anywhere in the network, normally without any reprovisioning or rewiring.

The phone is compact and takes up little space on the desktop. In day to day operation, end users can access all features quickly and unambiguously as there are buttons and keys for all functions.

Speech Quality

The phone is designed for high fidelity of the handset and speaker. These audio components are fine tuned to provide the best possible sound quality. The phone allows any standard headset to be inserted in series with the handset.

The phone incorporates Zultys' patented jitter buffer. This ensures that speech quality is optimal, even when the network has varying delays and lost packets. This technology provides a distinct advantage even within an office, but proves itself when communicating over a WAN or the Internet. Competitive phones without this feature will have poor quality audio under identical network conditions.



Key Features

- *Uses SIP to operate with any standard IP phone system or network*
- *Cost effective business or residential phone*
- *Supports all standard PBX functions*
- *Two call appearances support two simultaneous calls*
- *Backlit LCD*
- *Buttons and keys for all commonly used functions*
- *4 LEDs provide instant indication of status*
- *Speech quality ensured by QoS at the Ethernet and IP layers and comprehensive jitter buffer*
- *Downloadable ring tones*
- *Hot key dialling*
- *Easy to deploy without intervention by user*
- *Browser and TFTP for configuration and updates*
- *Based on highly stable embedded Linux operating system*

Physical and Environmental

Operating temperature: 10° C to 40° C (50° F to 104° F)

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

Weight: 0.9 kg (2.0 lb). Shipping weight (box of 10) 9.7 kg (21.3 lb)

Size: 165 mm (W) x 190 mm (D) x 85 mm (H) (6.5" x 7.4" x 3.3")

Power: 3.5 W

Safety: IEC60950, UL60950, CAN/CSA- C22.2 No. 60950

Emissions: FCC part 15A, EN55022 class A

Immunity: EN55024

Warranty: one year



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Physical Convenience

The ZIP 2+ has the appearance of a modern business telephone set. There are 24 buttons and keys for convenient access to every feature, such as hold, transfer, conference, do not disturb (DND), call forward, and mute.

There are 4 LEDs that show red, green, and orange, each appropriately marked. With these, a user can quickly identify the status of the phone, calls, or the phone system. There is a separate indication for new voice mails, new incoming calls, calls on hold, conference calls, mute, and do not disturb.

The ZIP 2+ has selectable ring tones to indicate internal calls and external calls. These can be downloaded to the phone. The phone has selectable tones to indicate a second incoming call and that a call is on hold.

The phone can be mounted on a wall.

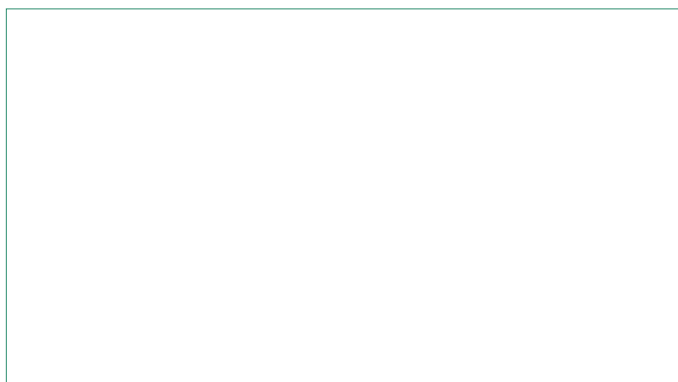
Dialling

The phone supports hot key dialling so that users can enter a number prior to seizing a call appearance or picking up the handset. This allows users to review and edit the destination address prior to calling. A single button allows the user to call the last number dialled.

Conference

The ZIP 2+ supports three way conferencing. The conference is easily set up with inbound or outbound calls. Individual members can join or leave the conference at any time. The LEDs on the call appearance buttons show a different color to indicate they are involved in a conference.

Sold and serviced by:



VLAN and QoS Support

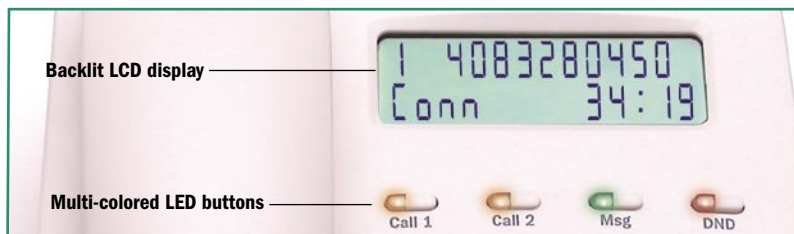
By default, the Ethernet port is an untagged member of a single VLAN, so the phone can interoperate with most networks. The phone supports the configuration of up to 8 VLANs. The port can be a member of a tagged VLAN, a member of an un-tagged VLAN, or excluded from a VLAN. Full support for IEEE 802.1q VLAN tagging and IEEE 802.1p QoS settings allows the ZIP 2+ to provide enhanced quality of service functions at the Ethernet layer and operate in a modern network.

At the IP layer the ZIP 2+ supports the ability to mark the lower six bits of the IP QoS byte with the various differentiated services code point (DSCP) markings. This allows for up to 64 codepoints to be defined which map to various per-hop behaviors (PHBs).

LCD

The LCD on the phone has a high contrast that the user can adjust. Additionally, a backlight automatically turns on when there is activity on the phone. The LCD displays the number of a caller and the duration of a call.

For conference calls, the phone displays the number of each person on the call and their associated call appearance.



Preferences and Settings

All phone settings are accessible from a browser page located at the IP address assigned to the phone. There are many parameters on the phone that allow it to operate in the network. The phone automatically downloads these parameters at power on from a configuration file that is generated by the system administrator. These settings are protected by a password that can be restricted to the administrator to prevent the user from accidentally disrupting the network settings. Some phone settings can be changed from the phone's keypad without the password such as volume level and contrast.

Date and Time

The phone uses SNTP to automatically obtain the date and time from the network. However, the date and time can be set manually in the absence of an SNTP server. The phone displays the date and time, the start time, and the duration of each call on the LCD.

International Support

The user's guide included with each phone is printed in Arabic, simplified Chinese, traditional Chinese, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, and Swedish. Each phone is shipped with a set of stickers that can be placed on the phone to replace the English text describing the functions of the buttons and keys. These stickers are in each of the 14 languages and also with international symbols.

The user can select the date and time format and also the call progress tones for any one of 70 countries. The ac adapter that is shipped with the phone is appropriate for the destination country. The phone and adapter are fully certified to be sold in that country.