ZULTYS

VoIP Solutions

Product Summaries

Overview

Zultys is a premier manufacturer of VoIP equipment for the enterprise. Its market focus is to provide modern voice solutions for today's business environment, regardless of industry or size. Award winning products from Zultys include a range of enterprise media exchanges (IP PBX systems), IP telephones, and supporting peripherals for the VoIP deployment. Zultys' adoption of open standards ensures interoperability of its products with other equipment, which gives a business choice in purchasing devices and services.

IP Telephones

ZIP 2x2 — IP Telephone

The ZIP 2x2 is the best value for features. It provides two LAN ports, two call appearances, a backlit graphical LCD, three-way conferencing, full-duplex speakerphone, encryption, power over Ethernet, multi-language menus, custom ringtones, multiple user login, QoS, DND, call forwarding, mute, and redial.

ZIP 2x1 — IP Telephone

The ZIP 2x1 provides one LAN port, two call appearances, a backlit graphical LCD, three-way conferencing, full-duplex speakerphone, encryption, multi-language menus, custom ringtones, multiple user login, QoS, DND, call forwarding, mute, and redial.

ZIP 2x2L — IP Telephone

The ZIP 2x2L provides two LAN ports, two call appearances, a backlit seven-segment LCD, three-way conferencing, custom ringtones, QoS, DND, call forwarding, and redial.

ZIP 2P — IP Telephone

The ZIP 2P provides one LAN port, two call appearances, a backlit seven-segment LCD, three-way conferencing, power over Ethernet, custom ringtones, QoS, DND, call forwarding, and redial.

ZIP 2+ — IP Telephone

The ZIP 2+ provides one LAN port, two call appearances, a backlit seven-segment LCD, three-way conferencing, custom ringtones, QoS, DND, call forwarding, and redial.

ZIP 2 — IP Telephone

The ZIP2 provides a cost effective IP phone for areas where an analog handset may otherwise be used. Key features include two call appearances, three-way conferencing, hold, transfer, redial, mute, hands-free dialling, DND, call forwarding, and message waiting indication (MWI).

ZIP 4x4 — IP Telephone

The ZIP4x4 integrates a business phone with a line-rate Ethernet switch. In addition to four call appearances and four Ethernet ports, the device is loaded with functionality, including encryption, calculator mode, single button functions, adjustable LCD, full-duplex speakerphone, headset jack, Power over Ethernet, message waiting indicator, and QoS support. Using an automated rollout procedure supported by the ZIP4x4, IT managers are discovering that with the ZIP4x4 they can minimize their effort in installation and deployment of a VoIP system.

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VoIP Solutions

Product Summaries

ZIP 4x5 — IP Telephone

The ZIP 4x5 integrates the functions of an IP phone, analog phone, Ethernet switch, and router. It has all the functions of the ZIP 4x4, plus advanced functions like firewall, NAT, VPN, and DHCP which allow it to be connected directly to a broadband Internet connection such as a DSL or cable modem. With the additional convenience such as Bluetooth and voice activated dialling, this device is a perfect fit for connectivity of the home office, remote branch, or executive desk.

Enterprise Media Exchanges

MX30 — Enterprise Media Exchange

The MX30 is a powerful system that enables multimedia communications for all workers in a small office. By integrating the functions of many devices into a compact box, the MX30 simplifies the VoIP network of any deployment. As well as being a comprehensive solution, the MX30 is easy to install, use, and maintain. A single slot on the rear side of the chassis is available to accommodate one of the following PSTN interface cards:

- 2 analog FXO circuits (for connection to the PSTN)
- 4 analog FXO circuits (for connection to the PSTN)
- 1 ISDN BRA circuit (for connection to the PSTN with S/T interface)
- 2 ISDN BRA circuits (for connection to the PSTN with S/T interface)

MX250 — Enterprise Media Exchange

The MX250 is a truly converged product that makes VoIP affordable for small to medium businesses or branch offices. This single 2U box (3.5" high) scales from 5 to 250 users without additional hardware. It combines the functionality of a PBX, voice mail server, voice gateway, and internet gateway. Built with the same technology and the same productivity tools as the MX1200, the MX250 provides smaller sites with all premium features at attractive prices. Cluster configuration allows the system to grow to 1000 users per site. Three slots on the rear side of the chassis is available to accommodate a combination of the following PSTN interface cards:

- 8 analog FXO circuits (for connection to the PSTN)
- 8 analog FXS circuits (for connection to analog phones)
- 4 ISDN BRA circuit (for connection to the PSTN with S/T interface)
- 2 T1 or E1 circuits (for connection to the PSTN, gateway, or tie line of a PBX)

MX1200 — Enterprise Media Exchange

The MX1200 is the highest density phone system available. This single 2U box (3.5" high) brings together the functionality of a PBX, voice mail server, switch router, and internet gateway. With a host of productivity applications, such as instant messaging, presence, and voice mail management on the PC, the MX1200 can streamline communications for facilities with 25 to 1200 users. Companies can easily deploy and manage the MX1200 within new or existing networks because the system is based on open standards, embedding technologies such as SIP, TAPI, VoiceXML, and Linux. You can connect up to 7 T1 circuits to the PSTN, and there are a total of 28 Ethernet ports, 12 of which provide Power over Ethernet, on the rear side of the chassis.

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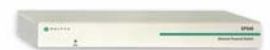
Product Summaries

Peripherals

EPS24 — Ethernet Power Switch

The EPS24 is a 1 RU box that provides switching and power over Ethernet for IP phones and other network devices (such as WiFi access points, security cameras, and keyless entry systems) over existing LAN cabling. It supports 24 powered ports for 10/100 Ethernet and one Gigabit Ethernet port.

EPS48 — Ethernet Power Switch

The EPS48 is a 1 RU box that provides switching and power over Ethernet for IP phones and other network devices (such as WiFi access points, security cameras, and keyless entry systems) over existing LAN cabling. It supports 48 powered ports for 10/100 Ethernet and 2 Gigabit Ethernet ports.

BPS12 — Battery Power Supply

The BPS12 provides a reliable –48 V dc supply in a tidy 19" 3U (5.25" high) chassis. It can be the sole power source for various network elements in your enterprise and power those elements that need to remain active when ac power fails. Unlike traditional ac uninterruptible power supplies that are inefficient and complex to install, the BPS12 is an industrial backup power supply intended for use with communications and networking equipment.

MX25 — Enterprise Media Exchange

The MX25 provides flexible options for interconnecting telephony products to your VoIP network. It accommodates the SIP transport for 30 simultaneous voice channels from any combination of telephony circuits. Available modular interfaces are T1 CAS, T1 PRI, E1 PRI, FXO, FXS, and ISDN BRI. You can use it as a SIP gateway, or as a remote survivability module for the MX250.

Software Options

MXIE — MX Interface for End Users

MXIE is the software client for the MX30, MX250, and MX1200 systems. Supported platforms are Windows 2000, Windows XP, Mac OS X, and Linux. Features that enhance normal call handling include instant messaging, chat, presence, voice mail access, call handling rules, and built-in softphone. An advanced version of MXIE allows the softphone to have encryption, backup proxy, voice compression, and call conferencing.

Fax — Direct Origination and Termination

The fax option on the MX system provides origination and termination of real time fax sessions directly on the MX30 or MX250. This eliminates the requirement for external fax machines or servers. You can configure the MX30 to handle up to 4 fax sessions and the MX250 to handle up to 16 fax sessions. Fax resources can be shared among all users, so you can configure a fax DID separate from the voice DID for each user.

ALG (Application Layer Gateway) — Connectivity to public SIP gateways

The MX30 and MX250 can connect to Internet Telephony Service Providers (ITSPs) for public SIP access to phone service. ITSPs can provide IP trunking for all business calls, eliminating the need for direct connectivity to the PSTN. At the SIP layer (application layer), ALG services translate the public IP address with private corporate addressing to allow phone calls between private IP phones within the corporate firewall and public SIP gateways. With ALG services on the MX250, a business can connect up to 50 simultaneous trunk calls through ITSPs. The MX30 can connect up to 10.

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Redundancy — Automatic Redundancy Option for MX250

The Redundancy option on the MX250 provides automatic recovery during a hardware failure. The redundancy configuration uses an N+1 scheme where N can be one, two, or four MX250 boxes that service users during normal operation within a single deployment. The extra MX250 serves as a warm standby, which contains a mirror image of the configuration of the MX250 systems that run in normal operation. When an MX250 fails during normal operation, the standby MX250 automatically takes over from the failed unit with only a few minutes of down time. The redundancy option requires the additional purchase of the standby MX250 and an XRS12 chassis to switch the PSTN circuits. When the redundancy option is installed on the primary MX250, all licenses will automatically transfer to the standby MX250 during failover operation.

Inbound Call Center — Features for the Call Center

The Inbound Call Center (Advanced ACD) option for the MX30 and MX250 provides features that help to streamline call handling for companies that have dedicated call centers. A group can be provisioned with 64 agents on the MX250 and 30 agents on the MX30. Features include call queueing, real time supervisory monitoring, detailed reports for agent and group performance, automatic logging out of unresponsive agents, music on hold, promotional messages while on hold. call quit options, queue prioritization, instant messaging between agents and supervisors, and queue overflow handling.
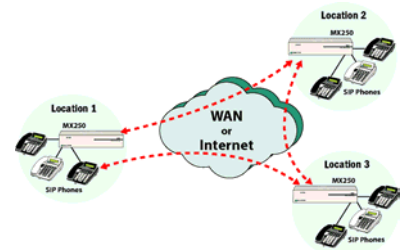
VPN, Termination on MX250

The MX30 and MX250 has internal capabilities for terminating VPN (IPsec) tunnels from external VPN gateways such as home routers or IP phones. This ability is ideal for corporate deployments of the MX system where there is no external VPN concentrator to terminate remote users. With VPN tunneling directly into the MX system, business can quickly extend voice and collaboration services to remote workers while providing them a secure data access to corporate network servers.

MXgroup — MX Group Option

The MXgroup software license for an MX30 or MX250 allows it to be part of a group of MX30 or MX250 systems. This permits the extension of most features of an MX250 across multiple locations and therefore makes a company spread among multiple locations appear as one. Users at any one location can communicate with users at other locations in the same way that they communicate with users at the same location. You can configure a single group to include MX systems or MXclusters from 2 to 32 locations, which allows an enterprise to scale its deployment to 10,000 users. The MX30 and MX250 systems communicate over a WAN or the Internet and are easily configured. No intervention is required by the users of the systems.

Firewall and NAT

Firewall and NAT functions can be enabled on the MX30 and MX250. This is ideal for businesses who do not have an external firewall and NAT in their corporate network. The MX firewall is a layer 3 and layer 4 device, with stateful inspection of the packets and an average throughput of 2 Mb/s.

G.729 Voice Compression

The MX30 and MX250 systems can provide termination for G.729 voice compression. Voice compression minimises bandwidth requirements for calls over WAN or Internet links where capacity is often limited. The MX30 can terminate 10 channels of G.729, while the MX250 can terminate G.729 on 50 channels.

Call Recording on Demand

The MX30 and MX250 can store call recordings initiated by users. Each user controls the call recording from MXIE. He is able to start, pause, and stop each recording at any time during a phone conversation. This option is licensed by concurrent channel of recording.