

## Analog-to-SIP Gateways Meet All Your Business Needs



### Cost-Effective VoIP Gateways

The MG4/MG8 are enterprise-class analog-to-SIP gateways that enhance IP phone system coverage of legacy analog phones, making it easy to integrate legacy phones into the Zultys Unified Communications solution. The MG4/MG8 are an ideal solution for businesses and organizations (such as retail, education and health care) that need to expand their analog trunks or extend the number of analog stations being served by their Zultys MX30 or MX250 IP phone systems.

### Extend Coverage of Your Analog Network

The MG4/MG8 multipurpose analog to SIP gateways are designed with the needs of the SMB and SME in mind. They convert the format of a phone call to allow it to pass between the SIP network and the public switched telephone network, and allow an organization to bring their analog phones fully into their Unified Communications environment to enable Presence, Status and other service features in the Zultys MXIE™ Unified Communications client that make it easier to contact others in the company.

The MG4/MG8 offer rich features, high quality voice, and support major functions such as voice codec (G.711, G.729A) and echo cancellation. They also provides fax support over the analog FXO ports, and via the Zultys IP phone system. The MG4/MG8 have five standard configurations:

- **MG4/S** with 4 FXS ports
- **MG8/S** with 8 FXS ports
- **MG4/O** with 4 FXO ports
- **MG8/O** with 8 FXO ports
- **MG8/SO** with 4 FXS/4 FXO ports

### Designed for SIP and Open Standards

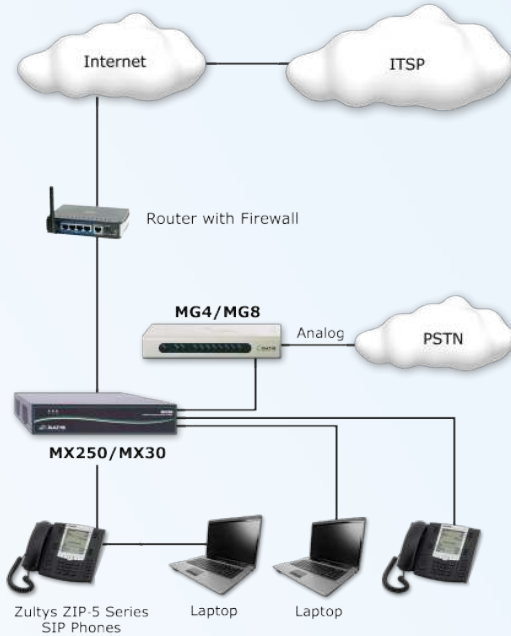
The MG4/MG8, built on Linux, are designed as SIP Open Standards platforms and support a variety of voice application environments and supplementary services to the Zultys IP phone system products, including auto dialing, caller ID, do not disturb and more.

### Key Features

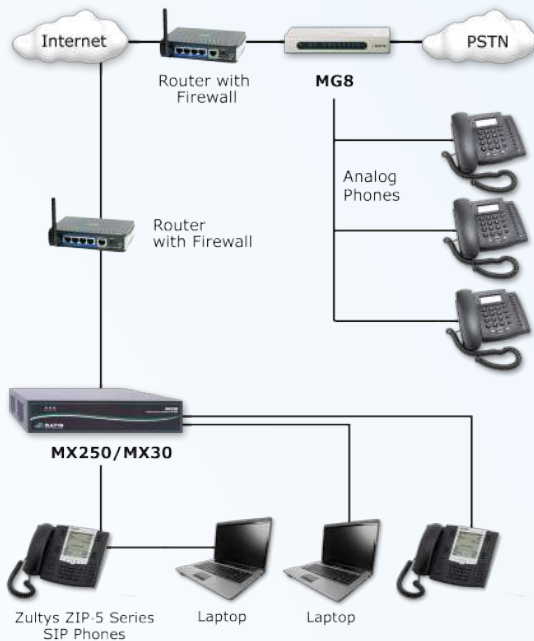
- Analog to SIP gateways - support for analog telephones (FXS) and trunk lines (FXO)
- Seamless configuration for 4 FXO or 8 FXO, 4 FXS or 8 FXS, or 4 FXO & 4 FXS ports
- High voice quality
- Echo cancellation
- Support voice compression (G.711, G729A)
- Fax support
- Enhanced features include auto dialing, caller ID, do not disturb and more



## SIP to PSTN Connectivity



## Non Co-resident Office Implementation



System Specifications	
<b>Key features</b>	
Configuration	4 or 8 FXS analog ports; 4 or 8 FXO analog ports, mixed 4FXS/FXO analog ports
Voice Processing	Voice Codec: G.711, G.729A Echo cancellation: G.168; Tail Length: 8/16/32 milliseconds Dynamic Jitter buffer; Voice Activity Detector (VAD); and Comfort Noise Generator (CNG)
Calling Control	Called/Calling Number Mapping; Line Hunting
<b>Signalling</b>	
VoIP Protocol	SIP
DTMF	DTMF Digits Transmit: RFC2833, INFO (SIP)
<b>Other Features</b>	
FXO Bypass Line	A bypass FXO line is selected during a network failure*
Auto Dial	DTMF mode
Support Primary and Backup IP Phone System	The gateway can be configured and controlled by multiple IP phone systems
<b>Hardware &amp; Physical Environment</b>	
Maximum User Line Length	3000 meters (9842ft)
Ringer Equivalence Number	5 for short loop (300 meters), 3 for long loop (1000 meters)
System Memory	32MB, 8MB Flash Memory
Connectors	FXO: RJ-11, Ethernet: RJ-45, 10/100 Base-T, 10/100 Auto Sensing
Input Voltage & Power Needs	5V/3A DC, 15 Watt (Max)
Dimensions	195mm W (7.7") x 118mm D (4.6") x 24mm H (.95")
Weight	0.65kg (1.4lb)
Operation Humidity	10% to 90%, non-condensing
Operating Temperature	0° to 45° C

\*Where applicable.