

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



### Cost-Effective VoIP Gateway

The MG24/MG48 multipurpose enterprise-class analog to SIP VoIP gateways enhance IP PBX coverage of legacy analog phones, making it easy to integrate legacy phones into the Zultys Unified Communications solution. The MG24/MG48 are an ideal solution for small to medium businesses, enterprises and organizations with multifloor offices and distributed facilities that need to extend the number of analog stations being served by their Zultys MX250 IP PBX.

### Extend Coverage of Your Analog Network

The MG24/MG48 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 MG24/MG48 have two standard configurations:

- **MG24/S** with 24 analog FXS ports
- **MG48/S** with 48 analog FXS ports

They offer high quality voice, and supports major functions such as, voice codec (G.711, G.729A), dynamic jitter buffer, echo cancellation and fax.

### Designed for SIP and Open Standards

The MG24/MG48, built on Linux, are designed as a SIP VoIP Open Standards platforms and support a variety of voice application environments and supplementary services to the Zultys IP PBX products, including auto dialling, caller ID, call forward, do not disturb and more.

### Key Features

- Analog to SIP gateways
- Seamless configuration for 24 FXS or 48 FXS analog ports
- High voice quality
- Echo cancellation
- Support voice compression (G.711, G729A)
- Fax support
- Enhanced features include auto dialing, caller ID, call forward, do not disturb, and more



## Analog to SIP Connectivity



**Easily integrate  
legacy phones into the  
Zultys Unified  
Communications solution**



System Specifications	
<b>Key features</b>	
Configuration	24 or 48 FXS 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
<b>Other Features</b>	
FXO Bypass Line	A bypass FXO line is selected during a network failure or power outage
Auto Dial	DTMF mode
Support Primary and Backup IP PBX	The gateway can be configured and controlled by multiple IP PBXs
<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	128MB, 8MB Flash Memory
Connectors	FXS Champ 50
Input Voltage & Power Needs	110~240 AC: 50-60Hz; input current 1 AMP maximum
Dimensions	440mm W (17.3") x 440mm D (17.3") x 44mm H (1.7")
Weight	7 kg (15.4lb); gross weight: 9kg (19.8lb)
Operation Humidity	5% to 95%, non-condensing
Operating Temperature	0° to 40° C