

# Wildix W01 GSM Media gateway



## Quick Start Guide

Version updated on: 21.07.2015

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## Overview

W01GSM is an IP based GSM Gateway that offers a stable network configuration and an excellent audio quality. The device supports IEEE 802.3af PoE.



LED Indicator	State	Description
<b>RUN</b>	On	device is booting
	Slow blinking	device not registered in WMS
	Fast blinking	device registered
<b>GSM</b>	On	device is booting or call in progress
	Off	SIM card not registered on GSM network (incorrect PIN or no coverage)
	Slow blinking	SIM card registered

Interface	Description
<b>WAN</b>	WAN indicator blinks if device is connected (even if not registered)
<b>RST</b>	press and hold for more than 6 sec to reset
<b>SIM slot</b>	press yellow button to open the card slot
<b>ANT</b>	3dB external antenna

# Specifications

## Protocols

- Standard SIP
- NAT
- HTTP, DHCP, DNS
- ITU-T G.711 $\alpha$ -Law/ $\mu$ -Law, G.729AB

## System Functions

- PLC, VAD, CNG
- PoE class 3
- Port gain adjustment
- SIM/UIM card encryption
- SMS sending and receiving
- Echo Cancellation (with ITU-T G.168/165 standard)
- Quad band GSM 850/900/1800/1900 MHz

## Industrial Standards Supported

- Stationary use environment: EN 300 019: Class 3.1
- Storage environment: EN 300 019: Class 1.2
- Transportation environment: EN 300 019: Class 2.3
- Acoustic noise: EN 300 753
- CE EMC directive 2004/108/EC EN55022:  
• 2006+A1:2007
- EN61000-3-2: 2006,
- EN61000-3-3: 1995+A1: 2001+A2: 2005
- EN55024: 1998+A1: 2001+A2: 2003
- Certifications: FCC, CE

## General Hardware Specification

- Temperature: 0~40 °C (operation) / -20~80 °C (storage)
- Humidity: 5% ~ 90% RH
- Certifications: FCC, CE
- Power Consumption: Max 10W
- Dimensions: 12 x 9 x 2.4 cm approximately

# Installation

Before starting the installation, make sure that there is a DHCP server in your network environment. Your Ethernet switch should be PoE Class 3 or a Wildix switch.

[Online guide](#) to installation, connection and configuration of a Wildix GSM Gateway.

## Step 1 - Install the SIM card

Open the SIM card tray and follow these steps:

- Press the yellow button, the SIM tray pops out
- Put the SIM card into the tray and insert the tray it into the card slot

## Step 2 - Install the Antenna

Screw the 3dB antenna into the ANT jack plug of the W01GSM gateway.  
Antenna with a longer cable is available as separate product (cod. W01GSM-ANT).

## Step 3 - Install the Ethernet connection

Connect the WAN interface to the PoE switch

# Provisioning

Requirements: GSM SIM card with PIN disabled.

If you are using a WMS integrated DHCP Server, go to *Settings* → *System* → *DHCP Server* and search for the device on the DHCP leases.

Follow our [online guide](#) to provision the media gateway.

For remote/unreachable media gateways behind NAT/Firewall, follow our [online guide for remote provisioning](#).

# GMS trunk parameters

As soon as the gateway appears in the Devices menu, the GSM trunk appears in the Trunks menu and you can edit the trunk parameters. Follow our [online guide](#).

Each W01GSM connected to the PBX appears on the Trunks page with the current status of Signal Quality, which is normally updated every 30/60 seconds.



GSM/UMTS	Trunks	Host	Status
GSM MEDIA GATEWAY 0			