



## GSM Gateway

Connection to exchange through analog trunk interface (FXS)

# DIAL-101A

### FXS

- ◆ Gateway GSM for both incoming and outgoing calls
- ◆ Drastic reduction of fixed-to mobile phone calls costs
- ◆ Telephone SMS service dialer from alarm contact, remote control relay
- ◆ Ideal choice for calls in remote sites, temporary or mobile offices, crafts and as emergency line
- ◆ Caller identity display (Calling Line Identification service)

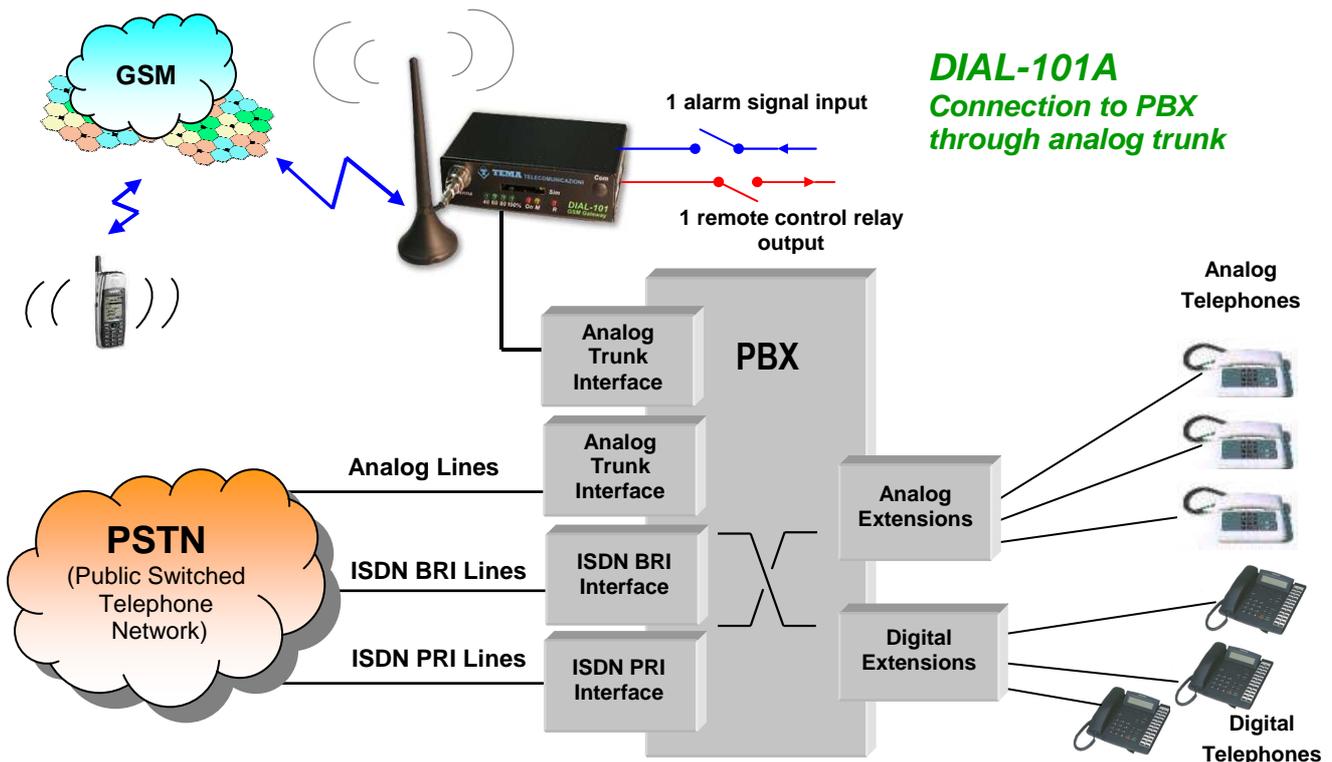


- ◆ Inbound and outbound call barring option
- ◆ Ring signal regeneration with sinusoidal 25Hz waveform
- ◆ Signal strength Led bar indicator
- ◆ 2,5 mt Antenna cable and Power supply included
- ◆ Programmable via local phone or remotely, via GSM call, SMS messages

**DIAL-101A** is a brand new small-sized GSM Gateway reducing user's mobile phone costs from PBX extension or stand-alone applications with a fast ROI (Return On Investment). Using **DIAL-101A** users can eliminate mobile cross-network fees as it securely transforms fixed-to-mobile in mobile-to-mobile calls exploiting its Dual-Band GSM Engine. The unit is equipped with a FXS port for connection to PBX, through an analog trunk interface, or to a normal DTMF telephone. **DIAL-101A** contains a SIM Card which enables the user to call mobile phones at low cost. For incoming calls, that is calls towards GSM engine SIM Card, **DIAL-101A** re-routes the call to PBX with modem transmission of the caller identity (CLI).

Completely Plug&Play, that is simple to be installed, **DIAL-101A** allows to constantly monitor the signal strength by means of a led bar indicator on the front panel.

**DIAL-101A** is programmable via DTMF telephone or via SMS. **DIAL-101A** is equipped with an alarm contact input with telephone dialer functionality and an internal relay with function of remote control of external devices and gate opening services.





**GSM Gateway**  
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# DIAL-101A

## Main Features

- ◆ Built-in GSM Dual-Band 900/1800MHz engine
- ◆ Small size module
- ◆ High voice quality
- ◆ Plug & Play installation
- ◆ Programmable via local phone or remotely, via GSM call, SMS messages
- ◆ Conversation time-out
- ◆ Inbound and outbound call barring option
- ◆ DTMF tone or pulse selection
- ◆ Caller identity display option (Calling Line Identification service)
- ◆ Ring signal regeneration with sinusoidal 25Hz waveform
- ◆ 1 contact of external input for Alarm / Remote Notification service
- ◆ Internal relay contact for remote control of low power devices, in impulse or stable mode
- ◆ Possibility of 1U RACK 19" mounting for 3 devices

## System specification

### ◆ Radiofrequency section

Built-In GSM module	: Dual Band (900/1800MHz)
Network type	: GSM phase II
SIM Card	: Plug-in, 3V, small
Transmitter Power	: 2W/900MHz-1W/1800MHz
Receiver Sensitivity	: > - 100 dBm
Antenna / Frequency	: 50 Ω imped., FME conn.
Antenna cable length	: 2,5 mt.

### ◆ Telephone section

PBX connection	: analog trunk interface or analog telephone
AC impedance (off-hook)	: 600 Ω
Line voltage (on-hook)	: 48 V <sub>DC</sub>
Line current (off-hook)	: 25 mA max.
Maximum loop resistance	: 800 Ω
Ring signal regeneration	: 65 V <sub>RMS</sub> , 25 Hz
Dialing mode	: DTMF + pulse

### ◆ Other features

Dimensions (HxWxD)	: 30 x 103 x 64 mm
Operating Temperature	: 0°C - 45 °C
Max. Relative Umidity	: 95% not condensing
Weight	: 1 Kg. packaged with antenna and power supply
Power supply (provided with system)	: Input 220V <sub>AC</sub> , 50Hz Output 12V <sub>DC</sub> , 1A
Max relay capacity	: 30V <sub>DC</sub> - 200mA



**SMALL DIMENSIONS**  
**HIGH RELIABILITY**

The manufacturer reserves the right to change product characteristics without notice



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