



GSM Gateway

For exchange through analog trunk interface (FXS)

DIAL-103A

FXS

- ◆ GSM Gateway for both incoming and outgoing calls
- ◆ Drastic reduction of fixed network to mobile phone calls costs
- ◆ Best choice for calls in remote sites, temporary or mobile offices, crafts and as emergency line
- ◆ CLIP service (Caller ID sending)
- ◆ DTMF or pulse dialing mode (to support older PABX)

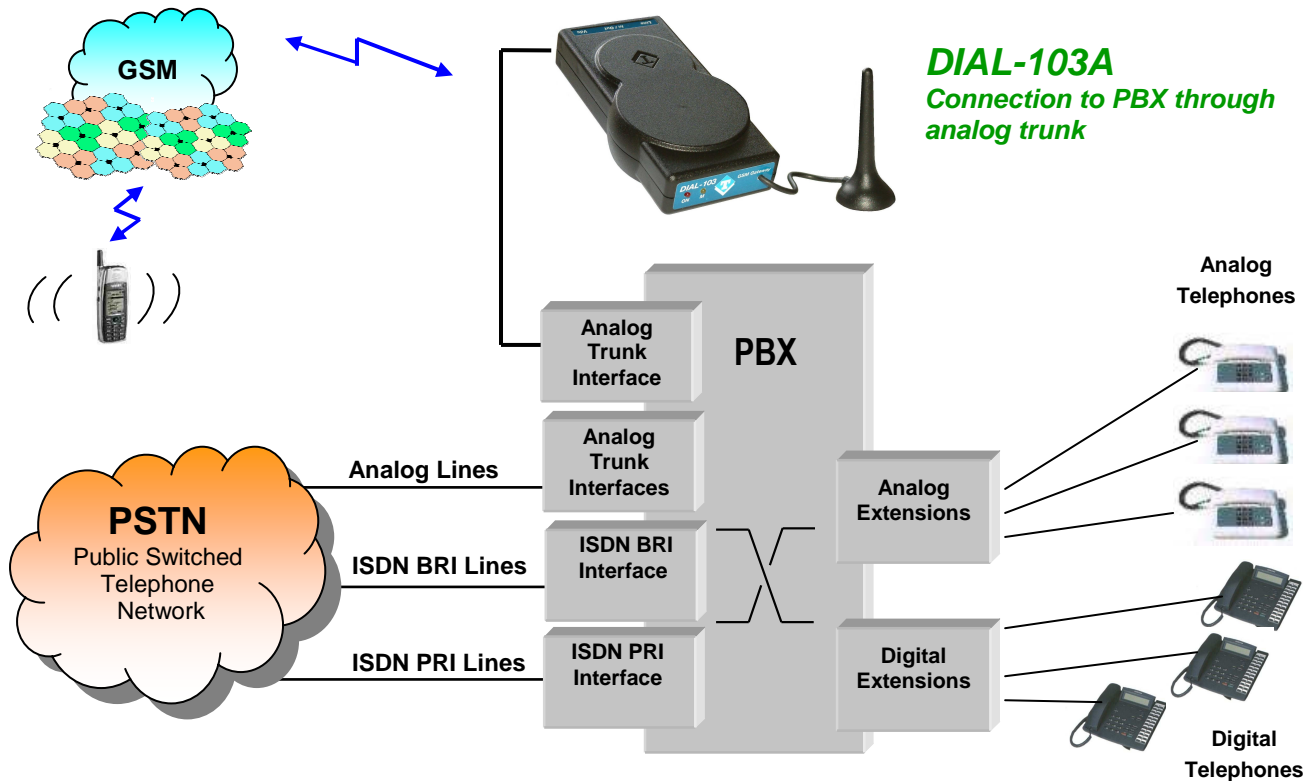


Plug & Play
Entry Level
Low Cost

- ◆ Inbound and outbound call barring option
- ◆ Ring signal regeneration with 25Hz sinusoidal waveform
- ◆ GSM signal strength information
- ◆ 2.5 mt antenna cable and power supply included
- ◆ Programmable via local phone or remotely, via GSM call or SMS messages

DIAL-103A is a new small-sized GSM Gateway that reduces mobile phone costs from PBX extension or stand-alone applications with a fast ROI (Return On Investment). Using **DIAL-103A**, 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-103A** uses a SIM Card which enables the user to call mobile phones at low cost. For incoming calls, using internal GSM engine, **DIAL-103A** re-routes them to the PBX with modem transmission of the caller identity (CLI presentation).

Completely Plug&Play, very simple to be installed, **DIAL-103A** allows to monitor the GSM signal strength via DTMF commands. **DIAL-103A** is programmable via DTMF tones or via SMS.





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Main features

- ◆ Built-in GSM Dual-Band 900/1800MHz engine
- ◆ Small size unit
- ◆ High voice quality
- ◆ Plug & Play installation
- ◆ Programmable via local phone or remotely, via GSM call, SMS messages
- ◆ Conversation time-out for outgoing calls
- ◆ Inbound and outbound call barring option
- ◆ Possibility of SIM CLI hiding on GSM network (CLIR)
- ◆ Caller identity service over the wired line (Calling Line Identification Presentation)
- ◆ Ring signal regeneration with 25Hz sinusoidal waveform
- ◆ Advanced algorithm of echo cancellation
- ◆ GSM signal strength monitoring
- ◆ Maintenance free

System specification

◆ Radiofrequency section

Built-In GSM module	: Dual Band (900/1800MHz)
Network type	: GSM, phase II
SIM Card	: Plug-in, 1.8V - 3V, small
Transmitter power	: 2W/900MHz 1W/1800MHz
Receiver sensitivity	: > - 100 dBm
Antenna	: 50 Ω, 2 W
Antenna cable length	: 2.5 mt., bundled

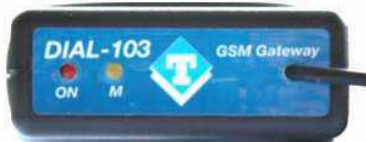
◆ Telephone section

Connection	: RJ 11 for analog trunk interface (PBX) or analog telephone (BCA)
AC impedance (off-hook)	: 600 Ω
Line voltage (on-hook)	: 48 V _{DC}
Line current (off-hook)	: 25 mA max
Maximum loop resistance	: 800 Ω
Ring signal regeneration	: 60 V _{RMS} , 25 Hz, 1REN
Dialing mode	: DTMF + pulse

◆ Other features

Dimensions (HxWxD)	: 30 x 75 x 137 mm
Operating temperature	: 0°C - 45 °C
Relative umidity	: 95% not condensing
Weight	: 500 gr packaged
Provided power supply	: Input 230V _{AC} , 50Hz Output 12V _{DC} , 1A

Front view



Rear view



The manufacturer reserves the right to change product characteristic without notice



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