



UMTS Gateway

Connection to exchange through analog trunk interface (FXS)

DIAL-101U

FXS

- ◆ Gateway UMTS 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)

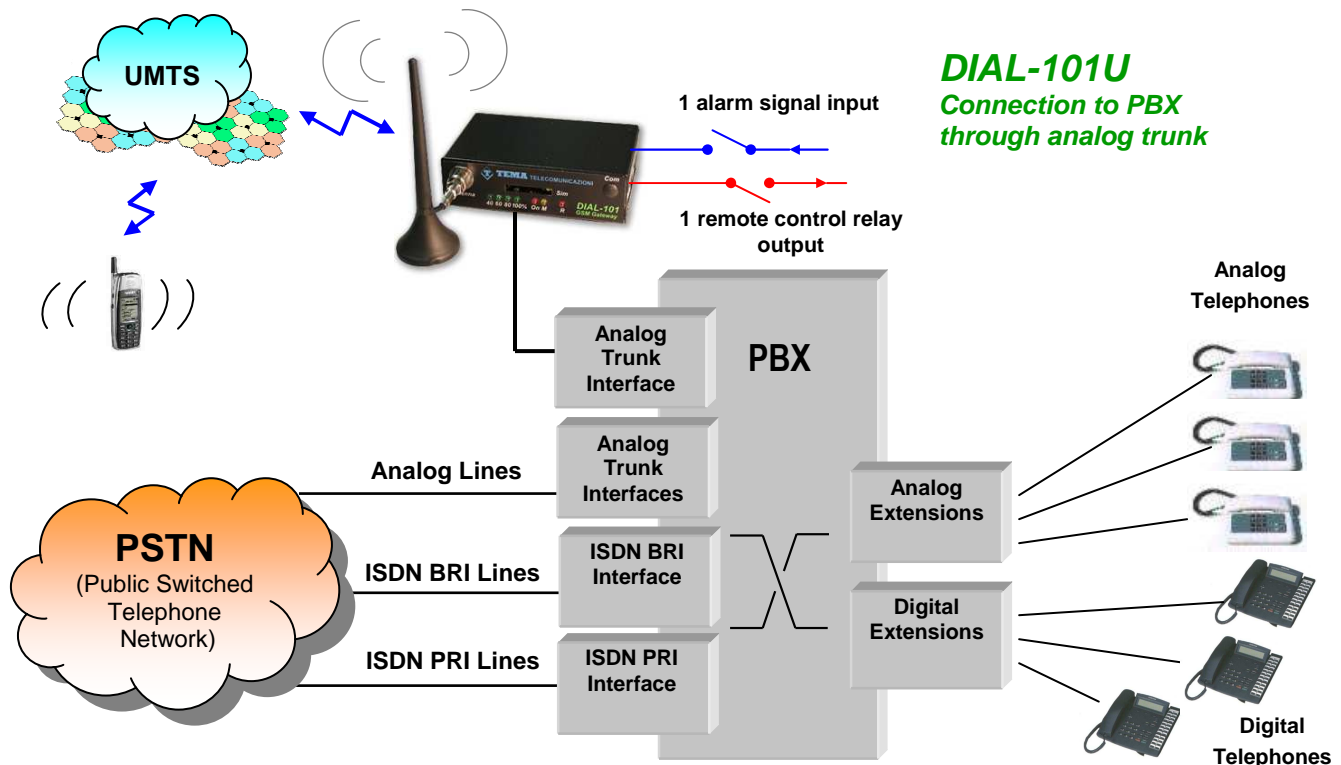


- ◆ Inbound and outbound call barring option
- ◆ Ring signal regeneration with 25Hz sinusoidal waveform
- ◆ Signal strength Led bar indicator
- ◆ System status and UMTS module status Led indicators
- ◆ 2,5 mt antenna cable and power supply included
- ◆ Programmable via local phone or remotely, via UMTS call, SMS messages

DIAL-101U is a new small-sized UMTS Gateway reducing user's mobile phone costs from PBX extension or stand-alone applications with a fast ROI (Return On Investment). Using **DIAL-101U** users can eliminate mobile cross-network fees as it securely transforms fixed-to-mobile in mobile-to-mobile calls exploiting its UMTS 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-101U** contains an USIM Card which enables the user to call mobile phones at low cost. For incoming calls, that is calls towards UMTS engine USIM Card, **DIAL-101U** re-routes the call to the exchange with modem transmission of the caller identity (CLI).

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

DIAL-101U is programmable via DTMF tones or via SMS. **DIAL-101U** 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.





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Main features

- ◆ Built-in industrial UMTS 2100MHz engine
- ◆ Small size module
- ◆ High voice quality
- ◆ Plug & Play installation
- ◆ Programmable via local phone or remotely, via UMTS call, SMS messages
- ◆ Conversation time-out
- ◆ Inbound and outbound call barring option
- ◆ Possibility of USIM CLI hiding on UMTS network (CLIR)
- ◆ DTMF tone or pulse selection
- ◆ Caller identity display option (Calling Line Identification service)
- ◆ Ring signal regeneration with 25 Hz sinusoidal 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

System specification

◆ Radiofrequency section

Built-In UMTS module	: UMTS (2100MHz), GSM Quad-Band (850/900/1800/1900MHz)
UMTS Network type	: UMTS WCDMA/HSDPA
USIM Card	: Plug-in, 3V, small
Antenna	: 50 Ω impedance cable length 2,5 mt. FME-F connector

◆ Telephone section

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

◆ Other features

Dimensions (HxWxD)	: 30 x 103 x 64 mm
Operating temperature	: 0°C, + 45°C
Max. Rel. Umidity	: 95% not condensing
Weight	: 1000 gr packaged
Power supply	: Input 230V _{AC} , 50Hz Output 12V _{DC} 1A
Max relay capacity	: 30V _{DC} – 200 mA



SMALL DIMENSIONS
HIGH RELIABILITY

The manufacturer reserves the right to change product characteristic without notice



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