

M10i GSM Interface



Cost effective solution for voice call routing

The M10i GSM Interface was designed for voice transmission between GSM and PSTN's networks. The M10i provides an interface between the GSM Network and your PABX, which is the cost-effective solution for providing voice call routing from an analogue telephone device over the GSM Network.

To make a call the PABX user dials a number from any phone connected to the PABX. The PABX will be configured to route GSM calls via the M10i.

The M10i is quick to install and easy to use. Simply connect it to an existing PABX analogue trunk via the line interface to start reducing your telephone costs considerably.

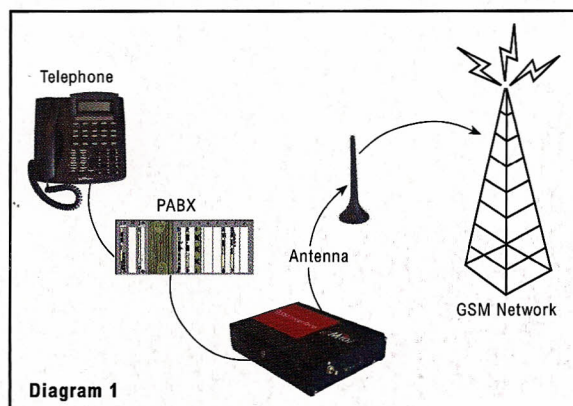
Key features:

- Routing outgoing voice calls over the GSM network
- Interface to PABX via analogue trunks
- Dual band GSM (900/1800)
- 12V DC power
- Call back feature
- Programmable via configuration utility
 - PABX interface settings
 - Password set-up
 - Remote management via GSM data call
- Monitor application for monitoring of install base
 - Call summary logging
 - Fault logging
 - Remote management
- SMS via enterprise SMS API

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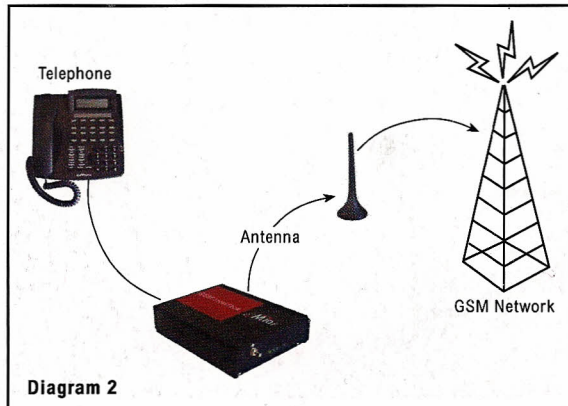
PABX to GSM Interface

The M10i device can be connected directly to an existing PABX and be configured to route calls to the GSM Network.



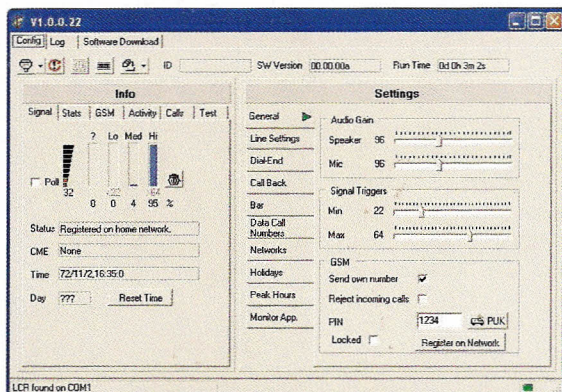
POTS to GSM Interface

The M10i device can be connected directly to a standard telephone interface and be configured to route calls to the GSM Network.



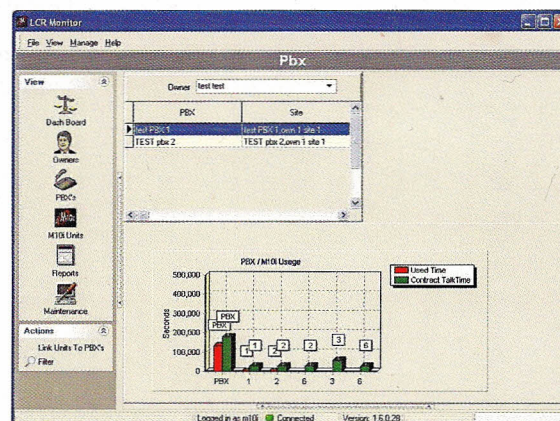
M10i Configuration Utility

- General unit statistics
- Unit behaviour
- Call summary
- Events and fault logging
- Line setting configurations
- Call back configuration
- Call barring
- Holiday and peak hour configurations
- Software downloads



Monitor Application

- Dashboard
- Owner configurations
- Sites and PABX registrations
- Linking units to PABX's
- Summary reporting



Physical specifications:

length: 145mm (excluding connectors)
width: 110mm
height: 34mm
weight: 305g (excluding accessories)

Power Consumption:

Main Supply Voltage: External 220V AC - 1 Amp / 12V AC transformer
Supply Voltage: 12V DC
Current Consumption: 1 Amp max

GSM Channel Specification:

GSM Frequencies: Dual Band - 900 and 1800 MHz
Standards: Full Type Approval according to GSM phase 2+ spec
Antenna: SMB

PSTN/PABX Line Specifications:

Line Loop Current: 18mA
Line Supply Voltage: -48V
Dial Tone: 400 Hz
Ring Generator: Square wave/Trapezoidal
Analogue Trunk Impedance: 900 Complex but can cater for 600Ω impedance
Line Signalling: DTMF Dialing
Line Connector: RJ12 and Screw Terminal

Data Comms:

Ports: 1 x RS232 port

Environmental Conditions:

Operational: -5° to 45°C ambient
Humidity: 5-90% non-condensing
Mounting: Wall mounting bracket or desk mount

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