

INDUSTRIAL GSM-GPRS I/O MODEM

DATA/FAX - SMS - VOICE
INTERNET FUNCTIONALITIES
AND IN ADDITION I/O
MANAGEMENT

Automation

M2M communications

Remote control - Telemetry

Security

**TCP/IP
inside**



INDUSTRIAL GSM-GPRS I/O MODEM

DATA/FAX - SMS - VOICE - INTERNET
FUNCTIONALITIES AND IN ADDITION
I/O MANAGEMENT

This product has the functionalities of a standard GSM-GPRS modem (data / fax - SMS - voice - internet access) and in addition it is able to manage Inputs and Outputs. It is also connectable to an expander for additional I/Os management.

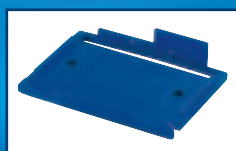


A simple SW allows the programming of the I/O functions either remotely and locally. Ideal for every automation, M2M (machine to machine), remote control, telemetry, security, environmental monitoring, automotive applications.

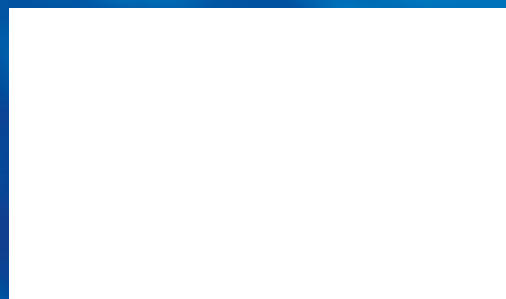
Supplied with wall, DIN and OMEGA rail fixing elements.



DIN and OMEGA
rail fixing elements



Wall fixing element



AUDIOTEL



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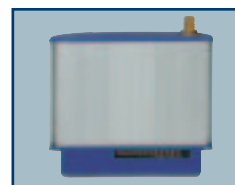
VERSIONS

GSM I/O GSM modem with:

- Basic GSM functions: data/fax, voice, SMS
- I/O management
- Autotest, telemanagement and telemaintenance functions:
 - Modem status autocheck with modem functions autorestore in case of failures
 - Teleconfiguration of every modem parameter
 - Remote control of RF field strength and of other radio parameters
 - Remote Firmware download

GPRS I/O GSM/GPRS modem with:

- Basic GSM functions: data, voice, SMS
- GPRS capability:
 - Internet access with GPRS 8 class
 - Mobile station B class
 - Internal TCP/IP stack with an AT commands set dedicated to stack management
- I/O management:
 - Autotest, telemanagement and telemaintenance functions
 - Modem status autocheck with modem functions autorestore in case of failures
 - Teleconfiguration of every modem parameter
 - Remote control of RF field strength and of other radio parameters
 - Remote Firmware download



CONFIGURATION SOFTWARE

I/O CONFIGURATOR user friendly window software for local and remote I/O configuration (SMS / ring transmission following local events, outputs activation following received SMS / ring, composition of the transmitted SMS, enabled GSM numbers list update, ...)

OPEN PLATFORM for the realization of custom application using C language

MECHANICAL FEATURES

- 18p Screw connector (Data, Voice, I/Os, Supply)
- 14p extra connector for direct board mounting
- SIM plug-in card reader
- Status modem LED
- SMA F external antenna connector
- Wall, DIN and OMEGA rail fixing elements
- DIMENSIONS: 79,5X80X24mm
- WEIGHT: about 120g

PACKAGE CONTENTS

- GSM / GPRS modem
- Wall, DIN and OMEGA rail fixing elements

AVAILABLE ACCESSORIES

- I/O expander
- External antennas
- 230V/12V external power supply



I/O EXPANDER

FUNCTIONAL FEATURES

GSM PERFORMANCES

- Voice and emergency calls (TCH / FS)
- SMS type MT/MO/CB/PDU
- Asynchronous non transparent GSM data transmission
 - 2400 bit/s
 - 4800 bit/s
 - 9600 bit/s
- CSD until 14.4 kbps
- USSD
- V.110
- Automatic fax 3 group (I, II class)

GPRS CONNECTIVITY

- GPRS MULTISLOT 8 class
- GPRS MOBILESTATION B class
- GPRS max. 85.6 kbps (downlink)
- Coding schemes CS1, CS2, CS3, CS4
- PPP-stack

DATA INTERFACE

- V.24 RS-232
- AT commands control (standard ETSI 07.05, 07.07 and Audiotel proprietary for TCP/IP)

OUTPUT POWER

- 4 class (2W) for EGSM900
- 1 class (1W) for EGSM1800

POWER SUPPLY

- 8V - 32V for GSM900/1800

INPUT CURRENT

- Idle 20mA @ 12V
- Talk 150mA 900MHz @ PCL5
- Talk 130mA 1800MHz @ PCL0

TEMPERATURE RANGE

- Operating: from -20°C to +55°C
- Storage: from -40°C to +85°C

APPLICABLE STANDARD

- EN60950 (Health and Safety)
- ETS 301489-1, ETS301489-7 (EMC)
- 3GPP TS 51.010-1, v4.0.2 (GSM 11.10-1), Draft ETSI EN 301511, v7.0.0 (GSM 13.11)