

erco & gener

L'esprit modem >>



Supervision, remote-processing and remote-counting applications in the "machine to machine" market segment call upon advanced technologies using a multiplicity of vectors of communication.

Our industrial Rail-DIN solution respects our high standards of robustness, reliability and long life allowing all industrial equipment having RS232 or RS485 interfaces to be connected to the GSM (900/1800 MHz or 850/1900 MHz) / GPRS network.

Our specific embedded software (Gen Secure) assures a quality liaison and the continuous availability of your equipment.

## GenSmi

- **INDUSTRIAL RAIL-DIN MODEM**
- **COMMUNICATION GSM / GPRS**
- **RS232 / RS485**
- **GEN SECURE**
- **POWER SUPPLY 230 VAC OR 6 VDC TO 32 VDC**

# TECHNICAL CHARACTERISTICS

GenSmi

## FEATURES

- E-GSM 900 /1800 MHz (or optional 850 / 1900 MHz)
- ETSI GSM Phase 2+
- Class 4 (2W @ 900 MHz)
- Class 1 (1W @ 1800 MHz)
- SIM Toolkit Release 99

## DATA FEATURES

- GPRS Class 10 (up to 4Rx / 2Tx)
- Supports PBCCH, Coding schemes: CS1 to CS4
- Asynchronous data circuit, transparent and non-transparent up to 14400 bits/s
- SMS point to point MT/MO and SMS CB

## EMBEDDED SOFTWARE

Gen Secure:

- Permanent network surveillance
- Automatic re-attachment to network
- Remote management by GSM network

## CONFIGURATION

- HAYES (AT Commands)

## INTERFACES

- Antenna: Male FME connector
- SIM card holder on front panel (SIM 3V)
- RS232 (Female 9-pin Sub-D)
- RS485 (screw connector)
- Power supply :
  - GenSmi-AC: 230 Vac 50 - 60 Hz (screw connector)
  - GenSmi-DC: 6 Vdc to 32 Vdc (screw connector)

## AVERAGE POWER CONSUMPTION

- GenSmi-AC:
  - GSM 900 MHz: 6 W in communication @ 230 Vac
  - GSM 1800 MHz: 5,3 W in communication @ 230 Vac
  - Idle mode: 3 W
- GenSmi-DC:
  - GSM 900 MHz: 208 mA in communication @ 12 Vdc  
106 mA in communication @ 24 Vdc
  - GSM 1800 MHz: 168 mA in communication @ 12 Vdc  
87 mA in communication @ 24 Vdc
  - Idle mode: 11 mA @ 12 Vdc  
8 mA @ 24 Vdc

## ENVIRONMENTAL & MECHANICAL

- Operating temperature: - 20°C to + 55°C
- Storage temperature: - 30°C to + 85°C
- Rail-DIN Case:  
Height 118 mm x Length 137.5 mm x Width 45 mm
- Weight:
  - GenSmi-AC: 240 g
  - GenSmi-DC: 230 g

## APPROVALS

- R&TTE (Radio & Telecom. Terminal Equipment)

## OPTIONS

- Stack IP: TCP/IP, PPP RFC, TCP Socket, UDP Socket, SMTP, POP3, FTP
- MODBUS (Master / Slave)

## ACCESSORIES

- Magnetic antenna FME-F: 4408000000 or 4408000003
- High gain antenna on mounting bracket FME-F: 4408000200
- Power supply Rail-DIN 230 Vac / 12 Vdc - 3,5 A: 0476414500
- Power supply block 230 Vac / 12 Vdc - 1 A: 0471210700

erco & gener

L'esprit Modem

ZI de S' Lambert-des-Levées - BP 30163 - F-49412 SAUMUR Cedex

Tél. : +33 (0)2 41 83 13 00 - Fax : +33 (0)2 41 67 19 20 - www.ercogener.com - infos@ercogener.com

SA CAPITAL 183244 euros - R.C. SAUMUR B 332 174 820 - SIRET 332 174 820 00032 - NAF 322A - TVA Intra : FR 16 332 174 820