

# erco & gener

L'esprit modem >>



Entirely dedicated to the most critical and sensible industrial applications, the GenIP 20i with its aluminum DIN Rail casing, associates the wired connections of high and very high speed (Ethernet / USB) with the wireless world (GSM / GPRS).

Autonomous, simple to configure (intuitive and multi-language web interface) and with a high performance (ARM9 processor), it will help you all along your industrial phases concerning alarm and events management, network interconnection (Ethernet, Modbus), command interpreter and secure storage of critical information.

It provides a communication interface GSM / GPRS (GenIP 20i) or PSTN (GenIP 40i) and knows how to be available or how to monitor your sensitive equipments. (Notification by Email / SMS / MP3 / GPRS).

It is also able to interconnect your ASCII protocols to your new Ethernet platforms (Modbus RTU to Modbus TCP conversion).

5 years warranty, it has the same qualities as all our products: Robustness, Reliability and Long life.

## GenIP 20i

- **Gateway Ethernet GSM/GPRS**
- **DIN Rail product / Aluminum casing**
- **RS232 / RS485 / USB Host / USB Device / RJ45**
- **Secure and intuitive embedded Web server**
- **Modbus RTU / Modbus TCP conversion**
- **Stack IP Linux with RIP routing**
- **Alarm management**
- **Macro command management**
- **Integrated diagnostic tools**
- **Low consumption**
- **Wide operating supply range: 8 to 54Vdc**
- **5 years warranty**

# TECHNICAL CHARACTERISTICS

# GenIP 20i

## GSM / GPRS FEATURES

- E-GSM Quad-bands 850/900/1800/1900 MHz with automatic detection
- ETSI GSM Phase 2+
- Class 4 (2W @ 850 / 900 MHz)
- Class 1 (1W @ 1800 / 1900 MHz)
- GPRS Class 10 (4Rx / 2Tx)

## FUNCTIONS

- Secure configuration interface (HTTPS / Login / Password)
- Multi-Language configuration interface (FR / UK)
- Multi-Language On-line Help (FR / UK)
- Embedded Web server: APACHE.
- SSH server
- Configuration interface available via Ethernet and GSM / GPRS link
- Back up of configuration in text file
- Port Forwarding
- Integrated Firewall with automatic management.
- Alarms management:
  - Transmission: Email / SMS / GSM Frame / GPRS Frame / MP3
- Modbus TCP / Modbus RTU conversion
- Information data logging
- Routing type RIP
- Linux IP stack: TCP / UDP / FTP
  - DHCP client and server
  - SMTP / POP3 (Via Ethernet and/or GPRS)
  - HTTPS / HTTP
  - Client : DYNDNS / SNTP
- Automatic, systematic GPRS connection or upon events
- Complete set of Macro Commands
- Integrated diagnostic and administration tools
- Log events

## INTERFACES

- RS232: Sub-D 9-M
- RS485: Connector
- USB (1 USB Host / 1 USB Device)
- RJ45 Ethernet port (10 / 100 Mbps)
- SMA-F antenna connector
- Wide range power supply: 8 to 54 Vdc
- Connector for I/O block (Optional block)
- SIM reader with holder (3V – 1.8V)
- Micro Switch 4 positions
- 4 Leds (PWR / CONF / GSM / 1 configurable)
- Supplied with:
  - Screw connectors (Power supply, RS485)
  - RS232 cable (DB9-M / DB9-F)
  - Straight Ethernet cable
  - GSM hinged antenna

## AVERAGE CONSUMPTION

- Consumption in idle mode:
  - 170 mA at 12 Vdc
  - 90 mA at 24 Vdc
- Consumption in communication:
  - 250 mA at 12 Vdc
  - 130mA at 24 Vdc

## ENVIRONMENTAL & MECHANICAL

- Operating temperature: -20°C to + 60°C
- Storage temperature: - 40°C to + 85°C
- Relative humidity: up to 90% with no condensation
- Height 104 mm x Width 55 mm x Depth 105 mm
- Weight : 420 g
- Aluminum case
- DIN Rail fixing

## APPROVALS

- R&TTE (Radio & Telecom. Terminal Equipment)
- European Certification
- RoHS compliant
- Warranty: 5 years

## OPTIONS

- GSM high gain antenna
- DIN Rail I/O Block: 6 Digital I/O, 6 Analog I/O
- DIN Rail power supply with back-up battery
- USB cable
- Standard mains block
- Tropicalization



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