

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 high and very high speed wired connections (Ethernet / USB*) with the wireless world (GSM / GPRS).

Autonomous, simple to configure (intuitive 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, security (VPN SSL, VPN IPSec) and storage of critical information.

The GenIP 20i provides a GSM / GPRS communication interface and is always available to monitor your sensitive equipment. (notification by Email / SMS / MP3* / GPRS)

It is also able to adapt 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* / RJ45**
- **Secure and intuitive embedded Web server**
- **Modbus RTU / Modbus TCP conversion**
- **Stack IP Linux, RIP routing, VPN**
- **Alarm management**
- **Macro command management**
- **Integrated diagnostic tools**
- **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
- WEB interface configuration interface available via Ethernet and GSM / GPRS link
- Back up of configuration in text file
- Port Forwarding, VPN SSL, VPN IPSec
- Integrated Firewall with automatic management
- Alarms management:
 - Transmission: Email / SMS / GSM 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 : DYN DNS / 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-F
- RS485: Connector
- USB* (* consult us)
- RJ45 Ethernet port (10 / 100 Mbps)
- SMA-F antenna connector
- Wide range power supply: 8 to 54 Vdc
- Connector for future extension
- 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 (SMA-M)

AVERAGE CONSUMPTION

- Consumption in idle mode:
 - 170 mA at 12 Vdc
 - 90 mA at 24 Vdc
- Consumption in communication:
 - 250 mA at 12 Vdc
 - 130 mA 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
- IP31 aluminum case
- DIN Rail fixing

APPROVALS

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

OPTIONS

- GSM high gain antenna
- USB cable
- Standard mains block
- DIN Rail power supply
- Tropicalization

* Next evolutions :

- Voice alarm option (transmission of MP3 file)
- Digital and analog inputs / outputs
- USB Device management



erco & gener

L'esprit Modem

ZI de S^t 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 2630Z - TVA Intra : FR 16 332 174 820