

erco & gener

L'esprit modem >>



Entirely dedicated to the wireless markets throughout the world, the GenPro 20e SQB allows a simple and rapid integration of GSM / GPRS Quad-Band (850/900/1800/1900 MHz) connectivity into M2M applications.

The GenPro 20e SQB is accessible by AT commands and is equipped with a RS232 serial port allowing an immediate implementation of SMS / Data / Voice applications.

The GenPro 20e SQB has TCP/IP protocols which are easy to use.

The GenPro 20e SQB is a robust, reliable and long life product. Its very compact metal case makes it ideally adapted to onboard standards.

GenPro 20e SQB

- **GSM / GPRS COMMUNICATION**
- **RS232**
- **TCP/IP STACK**
- **2 YEARS WARRANTY**

TECHNICAL CHARACTERISTICS

GenPro 20e s0B

GSM / GPRS FEATURES

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

VOICE FEATURES

- Voice (GSM mode)
- Telephone, Emergency number 112
- Full Rate, Enhanced Full Rate, Half Rate (FR/EFR/HF/AMR)
- Echo cancellation and noise reduction
- Full Duplex Hands Free

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
- TCP/IP Stack (PPP, CMUX, TCP, UDP, FTP)
- Event Engine (scripts of events management)
- SMS point to point MT/MO and SMS CB

INTERFACES

- Antenna GSM: connector SMA-F
- Power supply: 5.5 to 32 Vdc (micro-FIT connector)
- RS232 + Audio via a female 15-pin Sub-D
- AT Commands: GSM 07.05 and 07.07
- SIM card reader (SIM 3V - 1,8V)

AVERAGE POWER CONSUMPTION

- GSM 850 / 900 MHz:
90 mA @ 12 V in communication
- GSM 1800 / 1900 MHz:
80 mA @ 12 V in communication
- Idle mode: 12 mA @ 12 V

ENVIRONMENTAL & MECHANICAL

- Operating temperature: - 20°C to + 60°C
- Storage temperature: - 40°C to + 85°C
- IP31 aluminium case:
Length 73 mm x Width 54 mm x Depth 25 mm
- Weight: 90 g

APPROVALS

- R&TTE (Radio & Telecom. Terminal Equipment)
- European Certification
- RoHS compliant

OPTIONS

- GSM antenna (SMA-M)
- Serial Data cable - 15M/9F
or Data/Audio cable - 15M/9F/RJ9
- 230 Vac - 12 Vdc power supply
- DIN Rail fixing
- GenBlue 15e:
remote-supply Bluetooth® / RS232 adapter

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