Birdy 3G

POCSAG pager with acknowledgement - 128 RICs

Acknowledgement, availability, SOS, 2-way messaging, geofencing make the BIRDY 3G pager the most complete POCSAG /GSM pager on the market.

BIRDY 3G is a POCSAG and GSM pager designed and manufactured by *TPL Systèmes* for the firefighters market.

Formerly commercialized in 2009 in 8 RICs POCSAG version, **BIRDY 3G** is an evolved version integrating a larger number of RICs up to 128, a multi-color back-lighting enabling to allocate a color to a RIC, but also a GSM modem compatible with 2G and 3G mobile networks.

BIRDY 3G is designed to be used in tough conditions. It benefits from a reinforced waterproofness, granting resistance against water splashes, dust, and unavoidable bumps occuring during field operations.

BIRDY 3G is made of robust materials. Its mechanical and electronic resistance grants a reliable use, wherever the user is.

The synthesized version of this POCSAG pager is available in more than 15 frequency bands (VHF and UHF).

BIRDY 3G integrates a 2G/3G GSM module enabling the automatic acknowledgement when a POCSAG message is received, and the confirmation by the user that the operation has been taken into account.

Moreover, **BIRDY 3G** can receive messages sent by a GSM operating network either in M2M mode or in SMS.

The GPS module enabling the localization of **BIRDY 3G** can be activated or not at the programming stage. It can be also unactivated by the user, whenever.

BIRDY 3G integrates also a module of availability follow-up « DISPOBIP » linked to the alert system which enables to check / change one's availability status.

BIRDY 3G can be easily integrated within an alert system thanks to its alert software « BIRDY III gateway » that complies with *NF Logiciel sécurité civile* standards.

BIRDY 3G gives the possibility to send an geo-localized SOS as well as the PTI alarm (verticality and movement detection loss).

FEATURES

Messaging specifications

- 128 RICs, with 4 sub-adresses by RIC
- Possibility to set each RIC with a pre-defined message, specific ring tone, backlighting color... etc…
- Memory of 20 messages of 256 characters each, accessible by the user and 64 additional messages accessible by PC, for a total of 84 messages
- Possibility to edit, from the programming software, all the messages with date and time kept in memory
- 21 alert ring tones—unread messages alerts
- Vibrator only / Vibrator and ring tone / Vibrator and then ring tone/ Low battery alarm
- LCD display 5 lines of 20 characters, RGB multi-colors backlighting
- «Out of Range» for out of coverage alarm
- Partial over-the-air programming OTA)

General specifications

- Li-ion 3,7V/1300mA battery
- Battery life
    - GSM mode —permanent 2G/3G : 80h (w/o GPS) , 60h (w/ GPS)
    - POCSAG only mode : 520h
- Languages : French, English, German, Spanish, Dutch, etc...
- Weight: 120 grs (with batterie)   - Dimensions : 94 x 59 x 21.5 mm
- Operating temperature and humidity from –20°C to 60°C, 95% @ 40°C
- Sotrage temperature and humidity from –20°C to 70°C, 95% @ 40°C
- Alarm signal : >86 dBA @ 30 cm, frequency 2731Hz
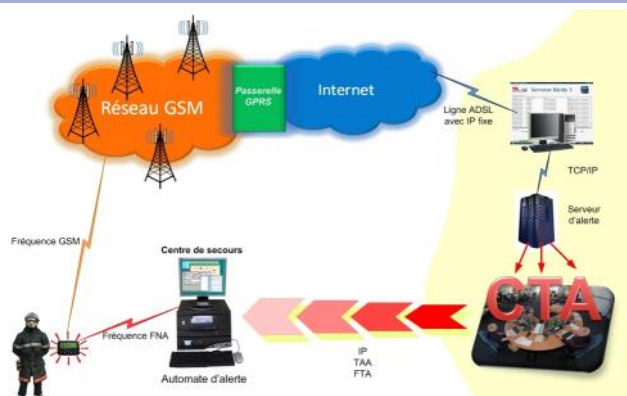
POCSAG specifications

- Frequency: all frequencies in VHF, UHF upon request
- Channel spacing: 12.5/20/25 KHz
- System modulation: NRZ - Frequency deviation: ±4.5KHz (25KHz)
- Transmission speed: 512bps, 1200bps or 2400bps
- Reception sensitivity at 1200bps: 3uV/m
- Selectivity: 65dB (±25KHz)— Inter modulation protection : >65 dB
- Stability in frequency: ±10 ppm

2G / 3G GSM specifications

- Quad-band GSM / GPRS / EDGE : 850, 900, 1800, 1900 Mhz
- Hexa-band UMTS WCDMA FDD (800 MHz (B19), 850 MHz(B5/B6), 900MHz(B8), 1900 MHz(B2), 2100MHz(B1))
- Emission power GSM/GPRS/EDGE: 2W—869/960; 1W—1805/1990
- UMTS emission power : +23dBm
- PDU and SMS modes supported   - SIM card under battery

GPS specifications

- High sensitivity GPS: -165dBm@Tracking, -148dBm@Acquisition
- Cold start : <35s   - Hot start : <1s
- GPS 66 channels   - GPS gain (Antenna + LNA) = 17dB

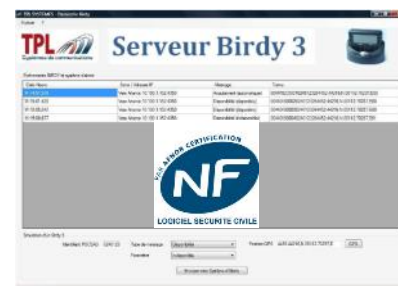## ACCESSORIES RANGE

Holster

Desktop charger

Programmer

Nylon or leather vertical holster

Lanyard

Leather horizontal holster

TIAS gateway
« NF logiciel sécurité civile » complying

USB customization software