



BIRDY TETRA

Individual security pager
2 networks available in the same pager



-  Tetra network
-  Availability management
-  GPRS network
-  Long battery life
-  GPS localization
-  High TETRA sensitivity
-  Man down
-  USB travel charger
-  Emergency button
-  Desktop charger
-  Large color LCD display
-  RFID inside
-  MP3 sound alert

www.tplsystèmes.com

BIRDY TETRA



Technical Specifications

TETRA - GSM/GPRS functionalities

2 vectors that can be selected in different ways: (TETRA and GPRS at the same time / or TETRA then GPRS / or GPRS then TETRA)

1 individual address

1 group address

Memory reception: up to 50 messages of 1000 characters each

Canned messages: 96 canned messages over 8 groups, 12 canned messages per group and 130 characters per canned message.

Phone book: 96 contacts over 8 groups, 12 canned messages per group and 28 characters per canned message.

Unread message alarm (displayed and sound)

10 MP3 type alert tones (Downloadable) and 10 alerting tones

Vibrate

3 ring tones profiles (Silence, normal, user)

Low battery alarm

LCD color display 2,8" (240x480 RGB)

Over the Air encryption (OTA)

Service messages enabling to remotely invalidate, locate... the pager

Alone worker protection (verticality loss, fall, SOS button)

Languages : French, English, German, Spanish, Norwegian, Swedish, Danish

Indoor localization (Option : BIRDYProtect)

Windows compatible customization software

General functionalities

Li-Ion battery 3.7V/2100mA - Battery life more than 24 hours

Charge time: 6hours approximatively

Weight: 195 g

Size : 95 x 71 x 31.4 mm

Supplied with desktop battery charger, belt clip, strap

Micro USB connector for car charger

Operating temperature and humidity from -20°C to 65°C, 95% at 40°C

Storage temperature and humidity from -30°C to 80°C, 95% at 40°C

Easy firmware updating by PC

BIRDY TETRA enables to receive and send messages on a private network as well as on a GPRS commercial network. By supporting 2 communication networks, BIRDY TETRA is able to secure dialog between control rooms and pager users. Not only the pager user benefits from comfort and secured reception thanks to his TETRA private network but he benefits also from an extended coverage thanks to an operator's GPRS network.

BIRDY TETRA manages the reception of SDS / GPRS and SMS messages; it enables to send pre-programmed and operational availability messages. Upon reception of a message, the pager sends automatically a technical acknowledgement stating that the pager received well the message but it sends also an operational pre-programmed message to indicate if the user accepts or not the message.

BIRDY TETRA includes a GPS module enabling to locate it. This module is combined with a «last generation» accelerometer, enabling to manage functionalities such as «man down» or verticality loss.

BIRDY TETRA is equipped with a TETRA custom-built antenna, possessing a very good reception level. BIRDY TETRA is powered by a high capacity Li-Ion battery perfectly sized for a long useful life.

BIRDY TETRA programing can be made thanks to a Windows compatible multilingual customization software.

BIRDY TETRA integrates the latest technologies used by TPL Systèmes: color LCD display, MP3 ring tone, USB universal charger...

TETRA specifications

MOTOROLA TOM100 inside

Frequency (MHz) :380—400 MHz / 410—430 MHz

Nominal output power: 30 dBm (1W)

Channel spacing: 25 kHz

Static reference sensitivity: -112 dBm

Dynamic (faded) reference sensitivity: -103 dBm

CALLOUT protocol included (TTR001-21) (without talkgroup)

SDS message

Possibility of encryption, TEA1, TEA2, TEA3 (option)

GPRS/GSM module specification

Full quad band module : EGSM 850,900,1800,1900 MHz

Multi-slot GPRS class 10 (3+2 & 4+1)

Maximum transmission power (2W - 850/900 MHz) (1W - 1800/1900 MHz)

PDU and SMS mode held up

SIM card located under the battery

GPS module specification

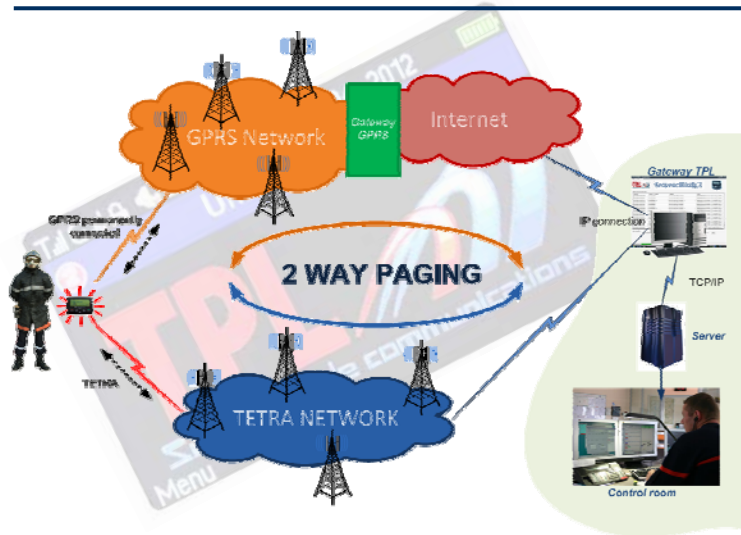
LIP protocol included

High sensitivity GPS - 160 dBm / 50 channels GPS

Cold Start 29 seconds / Hot Start 1 second

GPS gain (antenna + LNA) 17 dB

GALILEO compatible



Desktop charger



USB charger



Programing kit



Car charger



Belt clip

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In order to constantly improve its products, TPL SYSTEMES reserves the right to change specifications at any time, without any prior notice.

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