Birdy SLIM IoT

Birdy SLIM IoT Smartpager is a 2-way capable device that supports POCSAG, FLEX, Sigfox, LoRa, and Bluetooth technologies.

Birdy SLIM IoT Smartpager , designed and manufactured by TPL Systèmes, is the next evolution of traditional paging devices.

Its Software Defined and novel RF Transceiver Architectures integrates multiple wireless technologies allowing for a variety of configurations for your application.

As a Receiver it will operate on any POCSAG or FLEX network operating on VHF, UHF or 900MHz, while supporting up to 128 Addresses.

Its transmit function allows for message acknowledgement, Canned Message Response, Man-Down and SOS transmit functions and more.

It has an integrated GPS module for outdoor geolocation and also supports indoor geolocation through the use of BT Beacons .

It has a large , 8 line, display that supports multiple color backlights. Backlight color and vibrate cycles can also be assigned on an incoming message basis.

Designed to be durable, it is IP 67, water and dust proof , and withstands TPL's rigorous environmental and drop testing procedures .

It is powered by a large LI-Ion battery that provides up to two weeks in between charges for normal use.

Being a **Software Defined** radio software updates will be available, protecting your initial investment.

The **Birdy SLIM IoT** is bundled with a desktop charger.

FEATURES

Message Service Features

- Receiver addresses : up to 128 numeric and/or alphanumeric addresses
- Possibility of 4 sub-addresses by address with pre-fixed message
- Memory (maximum No of messages) up to 20 messages of 256 characters each by user and 64 messages in internal non volatile memory
- Unread message alert
- Alert melodies : 21 tones
- Vibrate alert / Tone and vibrate /Vibrate then tone/Silent mode
- Flash led
- Low battery warning
- LCD display up to 8 lines of 16 characters, multicolor backlight, modifiable zoom
- Option : Partial Over-The-Air (OTA) programming

General Features

- Li-Ion battery 3.7V/950mA
- Accelerometer for PTI features and to allow the reading of messages in all positions
- GPS and Bluetooth Low Energy module for geolocation
- Languages : French, English, German, Spanish, Dutch, Slovenian.
- Weight : 90 grs
- Size : 97,4 x 54,7 x 16,7 mm
- Supplied with 1 blet clip, 1 lanyard
- Operating humidity and temperature from -10°C to 60°C, 95% at 40°C
- Storage humidity and temperature from -10°C to 50°C, 95% at 40°C
- Desktop charger

POCSAG Features - Receiver

- Frequency : VHF, UHF, 900
- Channel spacing : 12.5/20/25 KHz
- Modulation : NRZ
- Frequency deviation : +/- 4.5KHz
- Sensitivity : 512bps : 2.5μV/m, 1200bps : 3.0μV/m, 2400bps : 3.5μV/m
- Selectivity : 60dB +/-25KHz
- Intermodulation protection : > 65 dB
- Frequency stability :±8 ppm
- Alert signal : > 86dBA @ 30 cm, frequency 2731Hz

Transmitter

POCSAG features
- Output power : up to +14dBm (+20dBm for US)
- Frequency : 438~470MHz
- Channel spacing : 12.5/20/25 KHz
- - Modulation : NRZ / FSK
- Frequency deviation : ±2.25kHz (12.5kHz) / ±3.6kHz (20kHz) / ±4.5kHz (25kHz)
- Modulation rise time : 250μs ±25μs
- Frequency stability : ±2 ppm
IoT features
- Output power : up to +14dBm (+20dBm for US)
- Frequency : ISM Bands 868MHz / 915 MHz ...
- Modulation : Sigfox or LoRa
- Bluetooth Low Energy V4.2

GPS specifications

- High sensitivity GPS: -165dBm@Tracking, -148dBm@Acquisition
- Cold start : <35s   - Hot start : <1s
- GPS 66 channels

Specifications are subject to changes without notice to improve performances, functions or design.

ACCESSORIES

Charger

Programmer

Leather or nylon Pouch

Strap