



Prism-IPX and TPL Systèmes Have Joined Forces to Create a Secure, Low Latency and Cost Effective 2-way Communications Solution to Improve Staff Responsiveness

In Critical care situations knowing the location and availability of key resources is critical when time is of the essence. The Staff Response and Location Solution addresses this by the use of multiple, proven, integrated technologies:

Bluetooth Beacons-These low power devices can be distributed throughout the desired coverage area broadcasting their individual ID.

Birdy SLIM IoT Wireless Communicator-This software based device is a Receiver with a low power Transmitter that can be program-

med for a variety of applications. It can receive digital text messages and, if programmed, respond automatically confirming receipt of the message along with its location based on the Bluetooth Beacon ID detected. The device also supports User initiated responses for emergencies and automatic responses for situations such as Out of Range or Low Battery.

PocOverIP Gateway- These Gateways are placed in select locations in order to capture Birdy SLIM IoT transmissions and pass along this information to Management Server for processing.

Management Server- A web based controller that processes the Gateway's transmissions and performs the following::

- Routes responses to designated devices/Systems (e.g., Cell Phones, email, other Birdy SLIM IoT devices, 911 Centers, etc.)
- Maintains a historical database on device status such as call completions, responses, status along with Bluetooth Beacon location mapping.

Main Specifications

Smartpager Birdy Slim IoT

- Multi-Mode:POCSAG or FLEX
- 128 Addresses
- Frequencies: VHF,UHF & 900MHz
- Channel Spacing: 12.5/20/25 KHz
- Modulation: NRZ
- Frequency deviation: +/- 4.5KHz
- Sensitivity: 2.5µV/m, 1200bps : 3.0µV/m, 2400bps : 3.5µV/m
- Selectivity: 65dB +/-25KHz
- Intermodulation protection: > 65 dB
- Accelerometer 3 axis. ManDown
- GPS module/ Bluetooth Module
- Extremely Rugged : IP67
- Large Multicolor Backlight Display 8 Lines 16 characters per line
- Battery 3.7V ,950mAh
- Weight: 90 grs
- Size: 97.4 x 54.7 x 16.7 mm

Bluetooth IPS Beacon

- Modulation: Bluetooth Low Energy (BLE®) 4.2
- Frequency: ISM 2.4GHz
- Transmit Power: <+4dBm e.i.r.p.
- Receiver Sensitivity: -92dBm
- Ceramic Antenna
- ABS plastic case
- Weight: 60 grs
- Size: 75 x 45 x 22 mm
- Wall Mount

PocOverIP Gateway

- Frequency: 438~470MHz
- Channel spacing: 12.5/20/25 KHz
- Modulation: POCSAG NRZ
- Frequency Deviation: ± 2,25KHz (12.5KHz); ± 3.6KHz (20KHz);± 4.5KHz (25KHz)
- Sensitivity: -122dBm typ
- Selectivity: 60dB +/-25KHz
- Intermodulation Protection: > 60 dB
- Frequency Stability: ±2ppm
- Aluminium Case
- Weight: 300 grs
- Size: 100 x 100 x 30 mm

Solution Components



Smartpager Birdy Slim IoT



Bluetooth IPS Beacon



PocOverIP Gateway

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