

# PRODUCT CATALOG

Bluetooth® Low Energy TAGS

*February 2022*

# BLINQY

# TRACK: IMPROVE SUPPLY CHAIN & ASSET MANAGEMENT

From production line to customer, supply chain is the very nerve centre controlling all the processes and data in a company. The true added value of IoT in asset management is instantaneous and reliable information about products across the entire supply chain.

**Location tracking, inventory and assets protection** are made easy with Bluetooth® ultra-low power devices powered by BLINQY.

## LOCATE ASSETS

By locating your assets anywhere on the premises, it is possible to **prevent loss** of high value finished products and drastically **reduce the risk** of financial loss.

Improve your staff satisfaction in allowing your workers to **quickly find** resources such as tools, vehicles, pallets or goods.

## PROTECT GOODS & VALUE

To reduce the number of **thefts** or to determine liability for **damage to equipment**, BLINQY tags can be configured to start broadcasting an alarm frame when a movement or a free-fall is detected.

With BLINQY Bluetooth® tags, protect your customer by **guaranteeing asset origin** from raw material to finished product.

## CONTROL PRODUCT VALUE CHAIN

Thanks to QR code or NFC chip, it is easy to link a tag to your asset and control all your product life-cycle with a unique identifier (UID).

Simply **improve your planning process** and **predictive models** with real-time position control using Received Signal Strength Indicator (RSSI) during production, warehousing or shipment.



# SPECIFIC PROJECT NEEDS DEDICATED FIRMWARE

## DEVELOP UNIQUE PRODUCT

### DEVELOPMENT SERVICES

- Bluetooth® Low Energy
- Firmware development
- MEMS integration
- Device interface
- Authentication and Cryptography

NO VENDOR OFFERS THE  
FEATURE YOU ARE  
LOOKING FOR?  
**WE DO**

### CREATE A SOFTWARE MADE FOR YOU

BLINQY develops customized embedded software for IoT devices.

From **using multiple states** for data transmission at the right time to **encrypting sensitive data** or **logging sensors information**, our team will help you develop software to achieve your project goals.



### DESIGN YOUR MODULE OR ADD SENSORS

BLINQY embedded software already empowers IoT devices **organizing, processing** and **communicating data**. We offer the possibility to design a product from A to Z or adding elements to existing modules.

With a specific attention to low energy consumption, memory optimization and easy to use-configure devices, benefit from a partner helping you **to build a complete eco-system** around your product.

### IMPROVE ARTIFICIAL INTELLIGENCE

Artificial Intelligence (AI) needs field data to deliver the essential information and optimize its algorithms. Predictive maintenance may require **a sharp vibration analysis**, only made possible by a precise accelerometer when cold chain monitoring will put the focus on a **temperature sensor accurate to 0.1° Celsius**.

In every IoT projects, BLINQY supports you and allows to get the best out of the sensors by **collecting and sorting upstream the data essential to high-level analysis**.



## DEPLOY: TAG FOR EVERY PROJECT



**BT-001**



**BT-002**



**BT-003**



**BA-005**



**BA-008**

|                            | BT-001  | BT-002  | BT-003   | BA-005  | BA-008  |
|----------------------------|---|---|--|---|---|
| <b>Description</b>         | Industrial adhesive tag                                     | Industrial screw-drivable tag                         | Small tag  | Large adhesive tag                                    | Large screw-drivable tag                              |
| <b>Connectivity</b>        | Bluetooth® LE 5.0<br>NFC (optional)                         | Bluetooth® LE 5.0<br>NFC (optional)                   | Bluetooth® LE 5.0  | Bluetooth® LE 5.0<br>NFC (optional)                   | Bluetooth® LE 5.0<br>NFC (optional)                   |
| <b>Size</b>                | 47.9 x 11.1 mm  | 64.4 x 11 mm  | 29.3 x 7.7 mm  | 70 x 49 x 22 mm                                       | 91.5 x 49 x 22 mm                                     |
| <b>Material</b>            | Polycarbonate & TPE   | Polycarbonate & TPE                                   | Polycarbonate & ABS  | ABS   | ABS   |
| <b>IP Rating</b>           | IP68  | IP68  | IP65 + Ultrasonic closing  | IP68  | IP68  |
| <b>Battery Life</b>        | <i>-12dBm, 400ms, 21° C</i>                                 | Up to 22 months                                       | Up to 22 months  | Up to 22 months                                       | More than 10 years                                    |
|                            | <i>-12dBm, 1000ms, 21° C</i>                                | Up to 4.5 years                                       | Up to 4.5 years  | Up to 4.5 years                                       | More than 10 years                                    |
|                            | <i>-12dBm, 3000ms, 21° C</i>                                | More than 10 years                                    | More than 10 years   | More than 10 years                                    | More than 10 years                                    |
| <b>Replaceable battery</b> | Yes   | Yes   | No   | Yes   | Yes   |
| <b>Alarm button</b>        | No  | No  | Yes  | No  | No  |
| <b>Sensors supported</b>   | Accelerometer<br>Temperature                                | Accelerometer<br>Temperature                          | Accelerometer<br>Temperature   | Accelerometer<br>Temperature                          | Accelerometer<br>Temperature                          |
| <b>Qualified</b>           | Bluetooth® LE 5.0 SoC<br>Bluetooth® EPL                     | Bluetooth® LE 5.0 SoC<br>Bluetooth® EPL               | Bluetooth® LE 5.0 SoC<br>Bluetooth® EPL  | Bluetooth® LE 5.0 SoC<br>Bluetooth® EPL               | Bluetooth® LE 5.0 SoC<br>Bluetooth® EPL               |
| <b>Certificates</b>        | CE (EU)<br>FCC (USA)<br>RoHS<br>Reach                       | CE (EU)<br>FCC (USA)<br>RoHS<br>Reach                 | CE (EU)<br>FCC (USA)<br>RoHS<br>Reach  | CE (EU)<br>FCC (USA)<br>RoHS<br>Reach                 | CE (EU)<br>FCC (USA)<br>RoHS<br>Reach                 |
| <b>Use Case</b>            | Asset tracking<br>Asset management<br>Cold chain monitoring | Asset tracking<br>Asset management<br>Pallet tracking | Asset tracking<br>Asset management<br>Goods fall detection<br>Angle change detection | Asset tracking<br>Asset management<br>Pallet tracking | Asset tracking<br>Asset management<br>Pallet tracking |

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