BLE Tag

Just remember *not to forget me!*

Pocket tags with wireless technologies suitable for many hands-free applications

The AXESS TMC tags allow persons or objects **to be identified automatically by simply approaching within a few meters of the reader**, thus automating the opening of the gates or allowing the localisation within an area.

Pocket or wearable tags are available in various formats: **Tag** (BLE Tag and BLE Tag 2) and **Portabadge** in which it is possible to insert a badge and thus obtain more functions within the same object.

The AXESS TMC tags integrate one or several wireless technologies in order to meet various requirements:

- **BLE** (Bluetooth Low Energy, which does not require preliminary "pairing") for hands-free identifications, opening of gates when approaching

- **UWB** (Ultra Wide Band) specially adapted for indoor localisation or hands free gate

- **GPS** with periodic position storage for geo-localised route plotting

BLE Tags allow the **detection of transits, time and attendance** and hands-free **access control**. When entering company premises in areas covered by AXESS TMC BLE readers, the BLE tag is automatically detected: this way, it is possible to timestamp the attendance by simply walking past the terminal or open a gate by approaching it and thus gain access to an area.

AXESS TMC

ZUCCHETTI

BLE Tags can also be used for **real-time localisation of persons and objects** in an indoor or confined area (with BLE or BLE+UWB technology for high-precision localisation) or of the **route taken** by persons and vehicles in outdoor areas, anywhere (geographic localisation with BLE+GPS technology).

Finally, by installing a BLE RFID reader on a **workstation or operating machine**, it can be automatically activated when the operator approaches with the **BLE Tag**.

BLE Tag allows:
• Access control and automatically record attendance
• Open any gate hands-free from adjustable distances (up to 10 metres)
• Check those present in an area (suitable for Safety applications)
• Monitor the use of workstations and equipment and prevent the use by unauthorised personnel

The advantages of BLE Tags in a system:
• You increase security by eliminating risk of cloning badges
• You make punching easier in open areas (e.g. building sites)
• It is possible to know employee's location within controlled areas.

CaBLE App
The **CaBLE App** allows easily configuring BLE tags by means of Android 5.0 (or higher) or IOS 10.3 (or higher) smartphone fitted with Bluetooth Low Energy. CaBLE displays the list of BLE Tag devices in the vicinity and each can be individually identified by pressing the button on the Tag itself.
• By means of CaBLE it is possible
• to update the Tag firmware
• to configure Tag parameters and reset them to the default values
• to check the battery status
Download AxessTMC CaBLE app from Google Play and App Store.

Entro App
The **Entro app*** allows the user to identify himself/herself via smartphone on the readers used for BLE tags. On that system, it is therefore possible that some users are equipped with BLE tags and others use the Entro app on their smartphones.
* please refer to the dedicated brochure.

TECHNICAL**SPECIFICATIONS**

	BLE TAG	BLE TAG 2	BLE PORTABADGE
PHYSICAL FEATURES	Casing: plastic Sizes (WxHxD) 34 x 56 x 11 mm Weight: 15 g	Casing: plastic Sizes (WxHxD) 42 x 72 x 15 mm Weight: 40 g	Casing: plastic Sizes (WxHxD) 65 x 96 x 10 mm / 65 x 96 x 15 mm (version with GPS) Weight: 70 g
VERSIONS	BLE	BLE, BLE+UWB, BLE+GPS	BLE, BLE+UWB, BLE+UWB+GPS
OPERATION RANGE	Configurable, maximum 10 m	Configurable, maximum 10 m	Configurable, maximum 10 m
POWER SUPPLY	Disposable battery duration of about 1 year)	Disposable battery (duration of about 1 year) or inductive charging battery (only on certain models)	Disposable battery (duration of about 1 year) or inductive charging battery (only on certain models)
INTERFACE	Button	Button, led and buzzer	Button, led and buzzer