



## BLE READER

more technology in Zucchetti AXESS terminals!

*With the BLE Reader  
in Zucchetti AXESS  
terminals, forget your  
badge and use your  
Smartphone!*

### FUNCTIONALITY

From today Zucchetti AXESS terminals let you use your Smartphone as a badge.

The Zucchetti AXESS APP (already available for Android in the Play Store) transforms a mobile phone into a powerful, versatile badge.

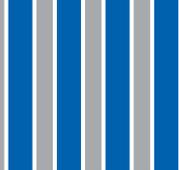
The Smartphone sends an encrypted code to the terminal, using Bluetooth Low Energy wireless technology (**BLE or Bluetooth 4.0**) available on all recent Smartphones. This technology requires no preliminary pairing, i.e. matching devices before you can exchange data.

The Zucchetti AXESS **BLE reader**, equipped with a TTL serial interface, is compatible with all the terminals in our wide range.

The reading distance is adjustable in the APP settings: from 30 cm up to 10 meters. This versatility enables various applications: from attendance detection and access control (reading distance of a few cm) up to operating a parking barrier from your car (reading distance of a few meters)

**AXESS / TMC**

a brand of Zucchetti Axess S.p.A



## OPERATING MODE

The APP installed on your Smartphone displays a unique code for your phone (APP code).

The **APP Code**, **User ID** and **private key** (dealer-specific) are put into the Web Table Editor of our terminals (accessible via browser) to generate a code to enter in the APP. This code cannot be used with other Smartphones or with terminals of other dealers, thanks to the private key protection.

After entering the code, the APP is ready to work: pressing a button on your Smartphone display will send an encrypted code. The **BLE Reader** deciphers the code and checks for consistency between the

user ID, the dealer and the phone used. When **successful it sends the terminal the User code which will be considered as the code read by a standard Badge reader.**

## USER BENEFITS

With the BLE Reader...

- SECURITY is improved by eliminating the risk of card duplication.
- There is no chance of LOSING a badge
- There are no COSTS for replacing/creating new badges.
- Stamping is simplified in open spaces, where the terminals are not close to the place of work (e.g. construction sites).

## TECHNICAL SPECIFICATIONS

READING DISTANCE	settable from 30 cm to 10 m.
TECHNOLOGY	Bluetooth 4.0 – Smart – Bluetooth Low Energy.
INTERNAL OEM READER WITH TTL CONNECTION	Can connect to all the terminals with a serial input.
NOTE	The software architecture available today does not yet contemplate the private key for dealers.
APP	for Android 4.4 or higher already available, for Windows Phone 8.1 or higher and for iPhone.