AX BIO

**BIOMETRIC READER WITH INTEGRATED
RF READER AND PUSH BUTTON**

AX BIO is a modern terminal with an elegant design created to ensure high security standards. Easy to install and configure, it allows controlling doors and alarm systems by choosing between different levels of security due to numerous possible configurations.

AXESS / TMC

a brand of Zucchetti Axess S.p.A

AX BIO is a high security stand-alone system for opening doors and arming and disarming the alarm system which makes use of the most advanced identification and security technologies, all integrated in a Bticino 503 wall-mounted box.

IDENTIFICATION MODE

There are four recognition modes which can vary for each user:
• **1:N identification** (fingerprint only);
• **1:1 verification with fingerprint memorisation on AX BIO** (MIFARE RF reader + fingerprint);
• **1:1 verification with fingerprint memorisation on MIFARE 4K card** (MIFARE RF reader + fingerprint);
• **only MIFARE card**

The round push-button with multi-coloured LED activates the internal relay which can be used, for example, to sound the bell. A buzzer for audible signals completes the system.

FEATURES

The device allows **controlling security systems,** even complex ones, because it can manage up to three optional cards (AX MAX) with encrypted communication. Each AX MAX card hosts two relays and two inputs and can be installed in a safe location to ensure maximum levels of security and a series of functions:
• **complete control of an entry door** (state of the door, exit button, lock, alarm);
• **alarm control: arming and disarming;**
• **opening/closing of secondary relay:** only activated by some users or fingerprints.

The signalling (e.g. burglar alarm armed) **occurs via light and/or audible signals.**

Night&Day function

The **Night&Day** function **allows managing,** depending on the time slots, **different levels of security** by setting, for example, **associations of recognition modes** (e.g. biometrics and card) or by assigning different access authorisations or anti-theft controls to different people.

Easy to configure

The configuration, registration and cancellation of users are performed using special cards (MASTER) and the light button. In stand-alone mode, AX BIO provides maximum ease of configuration thanks to special programming cards (supplied with the KIT). AX BIO can also function as a component of the XAtlas system becoming a slave to a controller of the system.

STRENGTHS OF AX BIO

- ✔ **Complete system:** Biometrics, MIFARE reader, push button, anti-tamper mechanism, acoustic buzzer and relay, all housed in a BTicino 503 box;

- ✔ **Multifunction:** Bell, biometric door opener, complete control of high security gates (thanks to remote controlled relays), alarm arming/disarming, activation of secondary relay;

- ✔ **Integrated in XAtlas:** AX BIO can be configured to operate as a component of the XAtlas system. In this case, it is connected as a slave to a controller of the system;

- ✔ **Stand Alone:** No PC or connection required. Device configuration and addition of users with the use of the system card;

- ✔ **Ready to use:** ready-to-use device that can be easily installed in normal switch boxes.

TECHNICAL**SPECIFICATIONS**

PHYSICAL FEATURES	Stand-alone system for opening of doors with MIFARE proximity reader, equipped with internal memory and light push button. Compatible with Bticino 503 box. Available in two colours (white and dark grey) and in a KIT version supplied with one AX MAX card, 6 programming cards, 10 manager cards and 10 user cards
INPUT/OUTPUT DEVICES	One internal relay (for bell or door opening) and optional remote relays and inputs on AX MAX cards (gate control, anti-theft management, remote relay) Up to three optional cards of I/O (AX MAX), connected in RS485 with encrypted protocol, which can manage the following functions: gate control, remote relay, anti-theft management
INTEGRATED READERS	4K MIFARE proximity reader
INTERFACING	One button that can be configured to activate the internal relay (usually to pilot a bell) Round LED with 3 colours Easy configuration with special programming cards (supplied with the KIT version)
OTHER SERVICES	Possibility to operate in the XAtlas system as a FD component on RS485 line. Different operating modes (with possibility of combining them): • 1:N identification (fingerprint only) • 1:1 VERIFICATION fingerprint + badge (also with the possibility to memorise templates on 4K MIFARE card) • only card