# XIO
## manage your access *via web*

**POWERFUL ETHERNET CONTROLLER WITH A WEB SERVER**

*Versatile entrance controller, that can be configured via web from any browser.*

XIO is a powerful Ethernet controller with a web server and FTP functions (both server and client) that allows you to manage access control via web simply and intuitively.  XIO can manage 8 entrances and 24 devices (RFID, biometrics, pinpad and readers with display for Attendance Monitoring applications). Access and physical control criteria are defined independently for each entrance (door or turnstile).

## Functionality

The controller can be managed in real time by an HTTP server that, in addition to receiving the badge readings and variations found at the 8 balanced entries, can send the initial configuration, other data and commands, and respond in real time when external validation of passages is required. Tens of thousands of users and transactions can be stored on the 2GB microSD files.

### Expandibility with RS485 Board

Alternatively, it is possible to connect OSDP readers. Third and last option is to activate the SPP protocol that allows to connect to the RS485 port a combination of 24 of the following devices:

• FD-NeoMax (1 reader, 2 inputs and 2 relays);

• AX RF recessed reader with button;

• AX BIO or XFinger biometric readers with integrated RF reader;

• RFID 4/K and RFID 5/K RF reader available also with integrated keyboard for PIN access.

**AXESS / TMC**

**ZUCCHETTI**

### Poe Power Supply

The XIO POE is an optional internal module that offers a more versatile result, allowing you to power the lock or RS485 slave modules as well as your own reader, as they are also battery powered.

### Operational modes

- **Online**: XIO sends all access requests in HTTP to a server that responds by denying or confirming access in real time.  If the connection is lost, the transactions are managed locally, saved in the internal memory and periodically reported by HTTP messages (keep alive).

- **Offline**: the controller function is based on text files stored on the SD and that can be managed via FTP and HTTP. These files contain tables that determine the access rights for each gate. Times, authorization groups and user names can also be defined. The transactions, recorded on a configurable text file, can be automatically copied onto an FTP server at set time, removing the need for dedicated software.

- **Online as a component of the XAtlas system**: the XIO I/O can be allocated to sensors or entrances and are controlled directly the XAtlas Server.

### Additional functions

- **Entrance management by web**: the status of the controlled entrances can be seen in real time and it is possible to alter their status (open, blocked...) by sending a simple command.

- **On board diagnostics**: all the events are noted in a text file. The level of detail in the recorded information can be configured.

- **Users, tables and web transactions**: the users and their authorizations can be easily added, altered and removed from the web; all the transactions can be read or downloaded from the browser by a simple click.

- **Biometrics**: Up to 24 485 biometric readers with RF reader. Fingerprints are registered by users on the terminals with display units (X1, X2 and SuperTRAX Light) and then transferred onto the controller that then sends them in turn to the connected biometric readers.

- **integrated CLOKI**: WEB attendance monitoring and access control program. This allows basic plants to be managed without installing other software on the PC.

- **FTP/SFTP and Client FTP/SFTP Server** with automatic, regular transfer of badge readings to a server. The data format (text file) can be configured to be imported directly.

## TECHNICAL**SPECIFICATIONS**

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|---|---|
| **USER INTERFACE** | User interface: Multitone buzzer, 3 two-color LED (status, ethernet, RS485). 2x16 Display. Web Interface via Browser |
| **READERS** | Up to 24 readers that can be connected via RS485. TTL readers that can be connected at the specific RS484 slave ports (for example of the FD-NeoMAX module). Available technology: 125Khz, Mifare, Legic, Desfire, pinpad, biometric |
| **COMMUNICATION PORTS** | Ethernet POE 10/100Mbit/sec – RS485 - USB |
| **RELAY OUTPUTS AND DIGITAL INPUTS** | 4 relays and 8 native inputs - up to 24 FD-NeoMAX boards can be added, each with 2 relays and 2 additional inputs and a port for the TTL reader (maximum 24 readers, 36 relays and 40 inputs) |
| **MAXIMUM CONFIGURATION** | Up to 8 independent entrances (with or without xatlas) |
| **POWER SUPPLY** | optional external battery |
| **DIMENSIONS** | ABS box for DIN rail 105 x 105 x 58 mm (W x H x D) - 6 DIN modules |