X7 and X7 GLASS
Time & Attendance and *Access Control* *WEB* terminals

Multifunction POE terminals with 7 inches display. Full gates management, suitable for every type of work environment, even outdoor. Can be installed in Landscape or Portrait.

OPERATING MODES

The terminals can manage up to 8 independent gates in 2 operating modes:

• **OFFLINE**: checks if user is allowed to enter using tables stored in its local memory (file system on internal SD card). Operates the gates autonomously and records transactions in local files;

• **ONLINE**: exchanges HTTP/HTTPS messages in real time with a server. The server checks user code validity, sends to the terminal messages to be shown on display and all the commands to operate the gates and any other terminal function.

The terminals and user functions can be configured and managed:

• **via WEB** through a browser, thanks to an intuitive interface;

• **by the sending of text files** (even via FTP).

The basic parameters can also be configured directly from the supervisor menu of the terminal.

AXESS TMC
ZUCCHETTI

STRENGTHS

WEB interface.

X7 and X7 Glass are completely configurable and manageable via web (configuration parameters, cards, users with name, authorisations, review of transaction records, configuration of access points, etc.).

Wide configurability of the graphical layout

The display layout is fully customisable. You can create the user interface that best suits your needs: decide on the size and position of the clock, create functional keys by defining their size and colour to access specific or customised functions (e.g., multistep procedures), display backgrounds, etc.

Ready to use.

All the time & attendance and access control functions are already integrated and can be configured via web (time slots, reason codes, sirens, transit with PIN, whitelist, etc.).

Built in CLOKI WEB Software to manage basic Time&Attendance and Access Control plants without installing any software on PC. All is operated through a web browser.

Integrated management of access points .

X7 and X7 Glass manage completely all states (alarm, break in, forced lock, transit that did not occur, etc.) of up to 8 doors or 4 turnstiles using up to 8 optional RS485 expansion boards.

Up to 3 readers can be connected directly to the terminal.

An internal reader and two external readers. One of the readers can be biometric with fingerprint enrolment capacity directly from the terminal (via FingerBox applied under the terminal). Terminal is compatible with different connection standards: Clk&Data, Serial, Wiegand. Format and decoding of each reader can be defined independently.

Wide range of I/O and high security.

- 1 relay on board (for door opening or siren activation at programmable times);
- 2 inputs on board;
- I/O can be expanded adding optional boards which can be installed in protected areas making relays and inputs inaccessible and thus guaranteeing maximum gate security: up to 8 optional boards can be connected: I/O boards, RF readers, Biometric readers, pin pads also in combination. By adding FD-NeoMAX board only there will be total of 17 relays and 18 inputs, available for the complete management of 8 doors or 4 turnstiles

Does not require a middleware in small installations.

The customisable record format and ability to automatically send transaction records to the FTP server in a scheduled manner X7 to be used directly with any software.

Standard communication protocols.

HTTPS for secure communications with server. X7 does not require DLL for integration.

WiFi: A version with integrated WIFI is available for X7.

OTHER ADVANTAGES OF THE X7

Touch Screen.

X7: touch screen display with resistive technology

X7 Glass: capacitive touch screen display

Color graphic display.

The large 7'' color display with resolution of 800x480 pixel allows intuitive user interaction , and allows to clearly show user transactions as well as select reason codes with a simple touch from a list or menu.

Integrated gates management.

X7 and X7 Glass manage all states (alarm, breach, forced lock, transaction failed, door left open, etc.) of up 8 doors or up to 4 turnstiles via the 8 optional boards.

Multiple gates management.

X7 is able to fully manage a multi-gate plant, thanks to the availability of a wide range of optional devices that can be connected to the terminal:

- FD-NeoMax (with 2 relays and 2 inputs and connector for 1 reader).
- FD-RFID5K or FD-RFID4K (RF reader with numeric keypad for PIN, IP65 and shock resistant).
- FD-RFID4 or FD-RFID5 (RF reader, IP65 and shock resistant . Also with Bluetooth Low Energy technology BLE).
- XFinger (biometric fingerprint reader).
- FD-RALL (RFID reader with display).
- AX BIO (biometric reader with button for BTicino electrical box).
- AX RF (RF reader with button for BTicino electrical box).

RF5 multi-technology reader.

X7 and X7 Glass, feature the RF5 multi-technology reader, are able to read the following cards:

- 125 kHz EM4102 and compatible,
- 13.56 MHz Mifare: Ultralight, Classic 1K, 4K, Classic EV1 1K, DESFIRE.
- 14443A.

The RF5 Reader can be configured for one-way use (entry or exit) or two-way use (entry and exit on two ends of the reader).

X7 and X7 Glass, simultaneously reading 125 kHz and 13.56 MHz technology, provide significant benefits in mixed technology environments or when changing card technology.

TECHNICAL**SPECIFICATIONS**

DISPLAY	Display 7'' 800x480 TFT back-lit LED display – resistive touch screen display (X7) capacitive touch screen display (X7 Glass)
INTEGRATED READERS	Internal RFID reader in all technologies supported by Zucchetti AXESS: • 125 Khz EM4102 compatible (dual-head). • 125 KHz HID PROX. • HID iClass. • DESFIRE (NO SAM – secure access module). • 13,56 MHz multi-standard Reading and Writing ISO14443/15693/Mifare. • Legic Advant read-only. BLE Bluetooth Low Energy. Version with internal multitechnology RF5 reader can work with cards with any of the following technologies: • 125 kHz EM4102 and compatible. • 13.56 MHz Mifare: Ultralight, Classic 1K, 4K, Classic EV1 1K, DESFIRE. • 14443A.
AUXILIARY READERS	2 external – of which one can be Biometric (optical or capacitive). Biometric reader: 9590 template – Operation in IDENTIFICATION 1:N or in VERIFICATION 1:1 with templates in the memory of the terminal or on the RFID card. Other readers (maximum 8) can be connected to the RS485 port including XFinger biometric readers.
COMMUNICATION PORTS	• Communication: TCP/IP, HTTP and FTP. • 1 Ethernet 10/100 POE A&B compatible with standard HTTP and FTP protocols HTTPS. • External USB host 2.0 full-speed, password protected for copying timestamps. • 8 GB MicroSD card (over 10 million transactions and over 100,000 users). In case of failure of the terminal, it is sufficient to insert the MicroSD in a new terminal to restart with the same data and configuration. It is advisable to replace the MicroSD card every 3 years. • 1 RS485 with NET92 or SPP protocols to expand the number of I/O readers connecting up to 8 optional devices - RF readers, biometric readers or I/O boards.
INPUT/OUTPUT DEVICES	• 1 internal relay 1A, 30V DC (resistive load) NO or NC can be used for programmed activations (siren) or for unlocking an access point. • 2 internal digital inputs. • Expandable Inputs and outputs via optional RS485 boards: up to 17 relays and 18 inputs via 8 optional boards FD-NeoMAX.
POWER SUPPLY	PoE 802.3.af or with power supply from 9 to 48 Volt - 5 7 Watt.
BATTERY	1 hour of continuous operation with option of automatic power-off management.
SOFTWARE	• CLOKI: Built in WEB Application for Access Control and Time&Attendance. • Stand Alone operation. • Online with an HTTPS server. • As a component of the XAtlas system. • FTP server for receiving configuration files. • Client FTP for automatically copying the transits on an FTP server in configurable text format. • Integrated management of independent access points (maximum 8 swing doors or 4 turnstiles) via optional boards. • Client FTP and possibility to automatically recover configuration files and tables.
PHYSICAL CHARACTERISTICS	• Protection: IP55 • Housing material: ABS V0 self-extinguishing • Dimensions: 120x130x52 – HxWxD - Weight: 400g. • Operating temperature: -10 +50 (the battery must not exceed 50°) • Size and weight :132 x 232 x 52 mm - 1 Kg.
AUDIO & VIDEO	Multi-tone buzzer.
MEMORY	Over 1 million transactions and over 100,000 users.