When IoT and Cloud meet Access Control, possibilities are unlocked!

IoTA Xs Bio

IoTA Xs QR
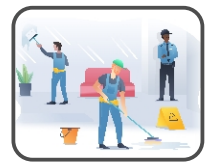
Suitable for

Event related entry

Property/Airbnb Entry /Exit Management

Meeting Room Management

Community Facility Management

IoTA Xs

The best Fingerprint Biometric / QR reader based Machine for single door Access Control and Attendance

IoTA Xs

IoT based online Access Control terminal for Single Door Application

Features

Multiple User credentials
- Built-in Morpho fingerprint reader (IoTA Xs Bio)
- Built-in QR code reader option (IoTA Xs QR)
- Mifare/EM Proximity card reader (Optional)
- BLE Reader
- 12 Key touch keyboard for PIN entry

Access Control Ready
- BLE Interface for mobile App based access
- Inbuilt Relay output for opening door
- Inbuilt Input port for Push to exit
- Door Open Sensor Input and Alarm Output
- Auxillary input and output for interfacing additional LEDs and buzzers

High user and template capacity
- 1000 Finger (Upgradable) User Template (Option available on IoTA Xs Bio)
- 100,000 transaction record storage
- 10000 QR Users capacity (Option available on IoTA Xs QR)

Multiple connectivity options
- LAN port (Ethernet)
- WiFi (802.11 b/g/n)
- Optional 4G

Powerful Performance
- **CPU** : Low-power Xtensa® 32-bit LX6 microcontroller, dual core @ 120 MHz each core ensures fast and efficient processing.
- **Memory** : With 448 KByte ROM, 520 KByte RAM, and 16 MByte Flash Memory, experience smooth and reliable operations.
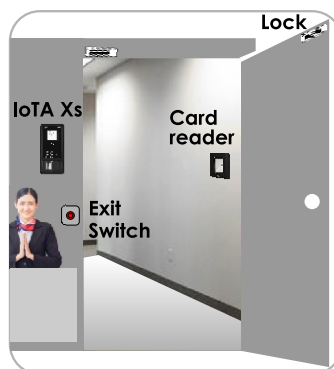- **LCD** : Monochrome Graphical Display

Specification

Reader Interface	Weigand interface for Out reader
Relay	Door Open Output Relay : 1 Nos
Request-to-Exit	Request-to-Exit Input : 1 Nos
Door Open Sensor	Door Open Sensor Input : 1 Nos
Auxiliary I/P	Auxiliary Input : 1 Nos
Auxiliary O/P	Auxiliary Output : 1 Nos
Keyboard	12 Key capacitive Keyboard
Power	12 V, 2 Amp (Adapter provided)
Wifi	802.11 b/g/n (Enterprise supported)
LAN	Option available on request
LED 1	Power ON indication
LED 2	Indicates connection with WiFi router
LED 3	Indicates connection with the MQTT

Use Cases

A. **Office Access Control** : Manage employee and visitor access, ensuring only authorized individuals can enter specific areas.

B. **Meeting Room Management** : Control access to conference rooms and other shared spaces.

C. **Apartment Security** : Provide secure access to residents, guests, and maintenance personnel.

D. **Community Facilities** : Control entry to gyms, pools, and other common areas.

E. **Event Management** : Control access to auditoriums and other venues during events.

F. **Hotel Access** : Provide guests with secure room entry while managing staff access to service areas.

G. **Server Room Security** : Restrict access to server rooms and data storage areas to authorized IT personnel.

H. **Remote Guest Entry Management** : Allow remote entry of guests through QR Codes and Face recognition for the duration of their stay only.

I. **Gym Entry Management** : Allow users to enter a gym only with a valid membership

IoTA Xs Bio

Typical Single Door Access Control Setup

IoTA Xs QR

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