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ManuScan

Biometric Identification System







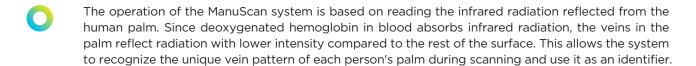
BIOMETRIC IDENTIFICATION SYSTEM

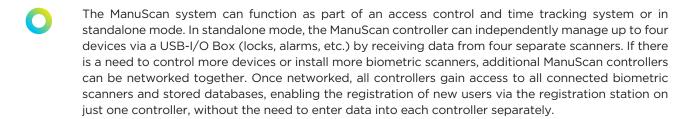
ManuScan is a biometric identification system that uses palm vein scanning technology. The system significantly improves security by providing highly accurate user identification and eliminating risks associated with lost, duplicated, stolen, or transferred identifiers. The palm vein scanning method is hundreds of times more reliable than the commonly used fingerprint scanning and is contactless, which is crucial for maintaining hygiene.

In terms of reliability, this method directly competes with more complex and expensive systems like retina or iris scanning while remaining more user-friendly and straightforward.

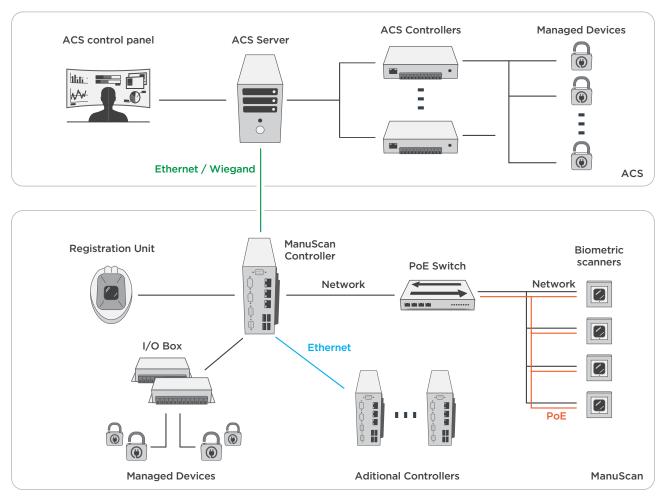


The ManuScan system can be equipped with two types of scanners: external and internal. External scanners are installed on building facades and/or at entrances to the premises, while internal scanners are placed at the entrances to individual rooms. Both types serve the same purpose—to identify individuals entering the premises or restricted areas and to restrict unauthorized access. In addition to the ManuScan system controller and external/internal scanners, the system includes a registration station, which, along with specialized software, is used to register new users.









ManuScan in Combination with an Access Control System

- When integrated into an access control system (ACS), ManuScan performs biometric user identification and transmits relevant data to the ACS server. Each additional registered position of a user's left or right palm (or both) relative to the biometric scanner is assigned a unique identifier. This allows implementing various algorithms at the ACS level depending on the presented hand and palm position (e.g., opening or closing doors, activating or deactivating alarms, summoning security, etc.), thereby extending the standard capabilities of access control systems by enabling additional management and notification algorithms.
- ManuScan, as part of an ACS, retains the ability to autonomously control up to four devices directly connected to the controller. This allows the creation of a completely autonomous and independent zone of control and access (e.g., a server room, a bank vault, or an armory) separate from the main management system.

ManuScan offers:

- · Accurate and fast identification.
- Integration with most ACS and industrial systems that require precise user identification.
- Triple encryption / Non-replicable identifiers.
- Ease of use.
- Hygiene (contactless interaction with the sensor surface).
- Simple and quick installation.

