



## **INTEGRATED ACCESS CONTROL SYSTEM FOR ATM LOBBIES AND 24/7 BANK SELF SERVICE AREAS USING EMV CONTACTLESS CHIP CARD**

Modern technologies evolution and application in the banking sector enables banks to develop **Customers Self-Service Areas** on a 24-hour basis.

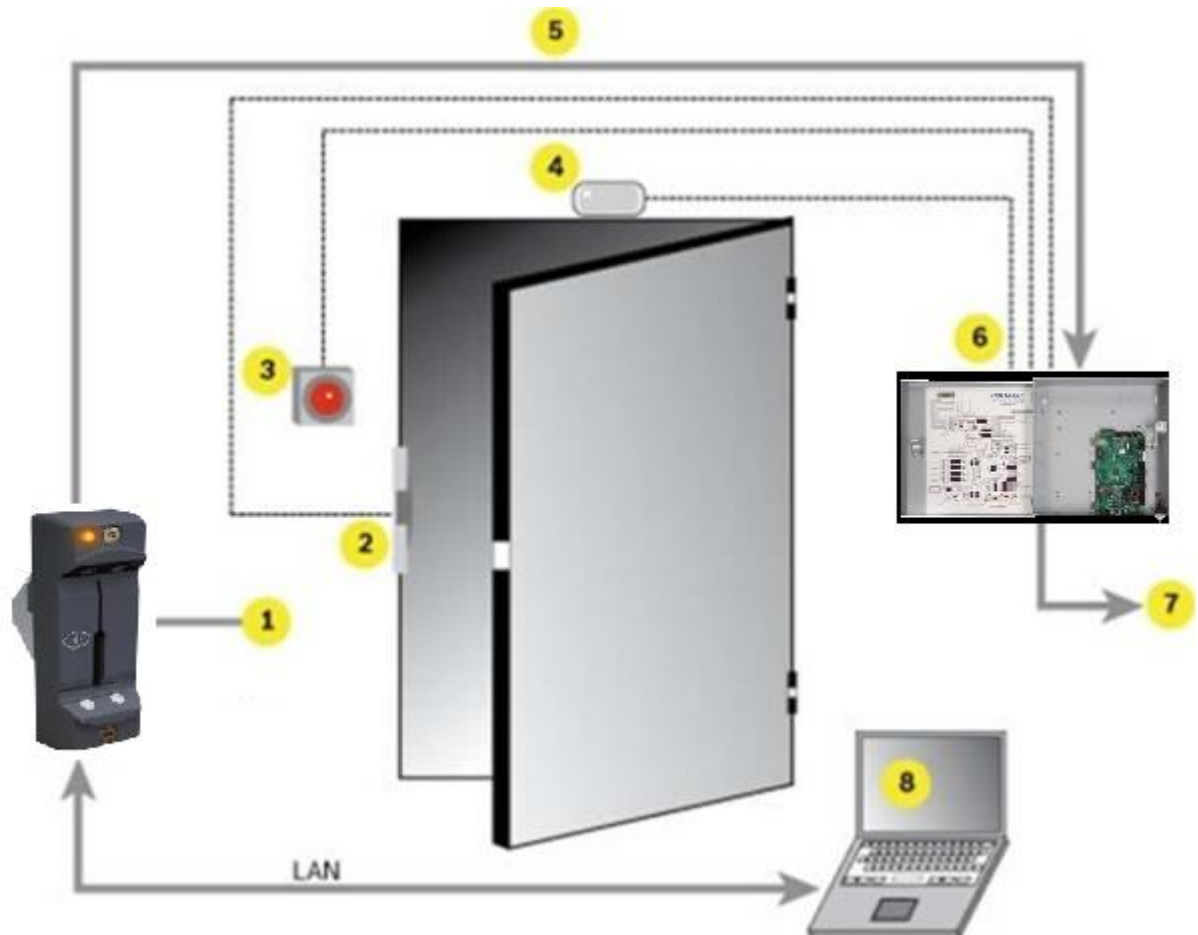
These spaces may include **ATMs, Automatic Payment Machines, Cash Coin Deposit Machines, Electronic Tellers Machines** and more.

**Access** to such sites should be **controlled**, in order to avoid **vandalism** as well as to **prevent unwanted and unauthorized individuals from entering**, in order to **protect both the clients and the assets of the bank**.

**Entry control** can be accomplished using a **bank credit or debit card** using **Magnetic Stripe, EMV Card Chip technology or a mobile phone and other NFC enabled devices**, since Magnetic card technology is constantly declining and is about to disappear in the forthcoming years.

Our company offers a complete solution for effective Access control for the above areas, which consists of the following elements :

1. **Multimedia Card Reader (MMR)**, capable of reading magnetic stripe and contactless chip (**NFC**) of any bank card or the (enabled) NFC chip of a mobile device
2. **Electric / Electromagnetic Lock**
3. **Egress – Request to Exit Button** and **Panic Button** (Emergency Exit Button)
4. **Magnetic Contact** to control/check the state of the door (Open / Close)
5. Connection of MMR Card Reader to an Access Control Panel for real time **card validity check** (based on white list)
6. **Access Control Panel** with network communication (Ethernet TCP/IP)
7. Option for integration with other co-existing security systems (**Intruder Alarm System, Fire Detection System**, etc.)
8. **Remote Access Control Management Software**



**ATM Lobby Access Control System diagram**



**Bank's Customers can use a bank card (Credit Card, Debit Card etc.) of any technology (Magnetic stripe, NFC ) or a Mobile Phone with NFC Chip to gain access to the ATM Lobby on a 24-hour basis**



## SYSTEM BENEFITS/ADVANTAGES

- Effective protection and sense of Security is provided to the customers during their self-service
- Advanced security level by reading contactless Chip (NFC) of the bank card
- Unwanted incidents' reduction in ATMs and high security areas
- Optimal protection of banking assets from unauthorized use
- Robust and stable "access control" platform
- Access Control Events Reporting
- High ROI Rate
- Reduced costs for facilities protection and customer service
- Proven long-term operation in any environment
- Significant improvement of the Bank's image and prestige