

# **PASSCHIP**

**24/24 access by contact CHIP or contactless NFC**

**PASSCHIP TECHNOLOGY PRODUCES THE WORLD'S FIRST BANK ID SMART ACCESS  
CHIP READER FOR SELF SERVICE AREAS.**

# PASSCHIP – SOLUTION OVERVIEW

Specially designed for advanced 24h self banking zones or high security spaces: ATM lobbies, treasuries, boxes of values, etc.



## How it works and solution features

- The customer uses its bank card in order to have an authorized entrance into the bank subsidiary or self service area
- The access selection is performed according to one or more selected criteria by the solution administrator such as: Name / Surname mentioned on the credit card (**BLACK LISTS may be implemented**)  
Last four digits of the credit card number  
Type of credit card (Visa, Visa Electron, Visa Business, Visa Gold, Maestro....) Card expiration date. BLACK LIST is possible
- Communication with users / card owners is ensured by text messages and pictures according to the chosen language
- The equipment can simultaneously display a text message in more languages
- The events history can be internally accessed and managed by the bank security administrator

# PASSCHIP – BENEFITS AND ADVANTAGES

## BENEFITS FOR THE BUSINESS

Improved customers protection and comfort during self-service procedures

Card reading by contact CHIP or contactless NFC

Reduced rate of incidents at ATMs and high security areas

Increased security level – higher protection of banking assets against unauthorized usage

Strong and stable access control platform

Ethernet instant history reports of access events

Excellent Return of Investment rate

Reduced costs with guard patrol service, customer care and transportation

Proven long live service in any environment Increased Bank's image

## ADVANTAGES OF PASSCHIP

Access of programmable groups of users as decided by system's administrator;

Configuration to allow access for any credit card's owner depending of the bank's own security policy

Equipment connectivity to any new or existing access control platform using the most commonly used data formats: WIEGAND and/or Ethernet IP Solution integration with CCTV, fire and intrusion detection through any security platform

Built in vandal proof concept, with a very strong stainless steel case with opening tamper and a specially protected LCD screen

Advanced graphical user interface through any written language

On line software upgrade

On line Black List

On line reports

# PASSCHIP – DIFFERENTIATORS

- Passchip is the single worldwide control access solution for self banking, dedicated to CIP based cards; all the other control access solutions use the reading technology of magnetic cards

- **The advantages of reading the CIP based bank cards:**

The information extracted from CIP based cards is more difficult to clone

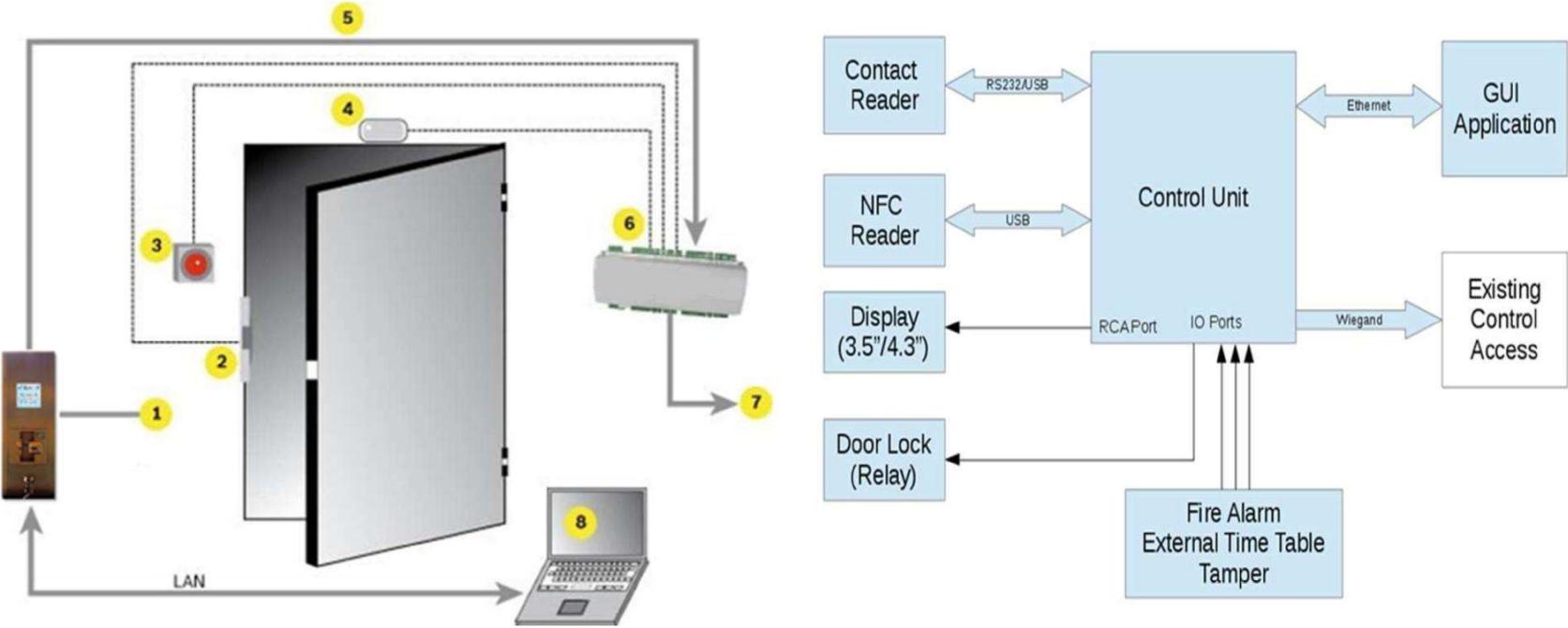
The information from CIP based cards is almost impossible to replicate illegally

CIP technology does not give reading errors

CIP technology cannot deteriorate in comparison to the magnetic band cards, which has a limited number of readings

The magnetic cards technology is closing to an end in Europe

# PASSCHIP – TECHNICAL OVERVIEW



# ADMINISTRATION SOFTWARE

The top diagram, titled "HW Layout", shows a network topology. Three "CHIP Reader" boxes (1, 2, and 3) are connected to a central "IP Network" cloud. Two "CLIENT" boxes (1 and 2) are also connected to the "IP Network". A "SERVER" box is connected to the "IP Network" from the right side.

The bottom screenshot shows the "Specific Message" administration software interface. The menu bar includes: File, Settings, Help, Authentication Required, Password Change, Operator, Location Management, PASSCHIP Profiles, PASSCHIP Configuration, User Management, License, and Server. The main interface is divided into several sections:

- Profiles:** Includes "Add", "Delete", and "Save" buttons and a "Default" text area.
- Readers:** Radio buttons for "Contact" and "NPC".
- Inputs:** Radio buttons for "External Timetable", "Fire", "Tamper", and "Door Sensor".
- Outputs:** Radio buttons for "Wiegand" and "Relay".
- Display:** A dropdown menu set to "480x272", with buttons for "Image Select", "insert\_card", "Edit Message", and "Preview Messages".
- Timers [s]:** Input fields for "Door" (set to 3) and "Lost Card" (set to 10). "Application Version" is set to "1.0.0".
- Timetable:** A grid showing days of the week (Monday to Sunday) and "Special Days". The grid has columns numbered 00 to 23. Monday through Saturday are highlighted in red, and Sunday and Special Days are highlighted in blue. Below the grid are fields for "WeekDay" (Monday), "Start Time" (12:00:00 AM), "End Time" (12:00:00 AM), "Date" (1/1/2000), and "Special Days" (1/1/2015). Buttons for "Reset", "Save", "Add", and "Delete" are present.
- AID:** A list of AID entries: "A0000000031010 - Visa credit or debit", "A0000000032010 - Visa Electron", and "A00000002501 - American Express". Fields for "AID" and "Description" are shown with "Add", "Delete", and "Save" buttons.
- Blocked:** A list of blocked entries: "1234567890123456 - Vandal" and "4662 - Bank". Fields for "Card Number" and "Description" are shown with "Add", "Delete", and "Save" buttons.

The status bar at the bottom shows "Ion Popescu" on the left, "Specific Message" in the center, and "Server Connection" with a green indicator on the right.