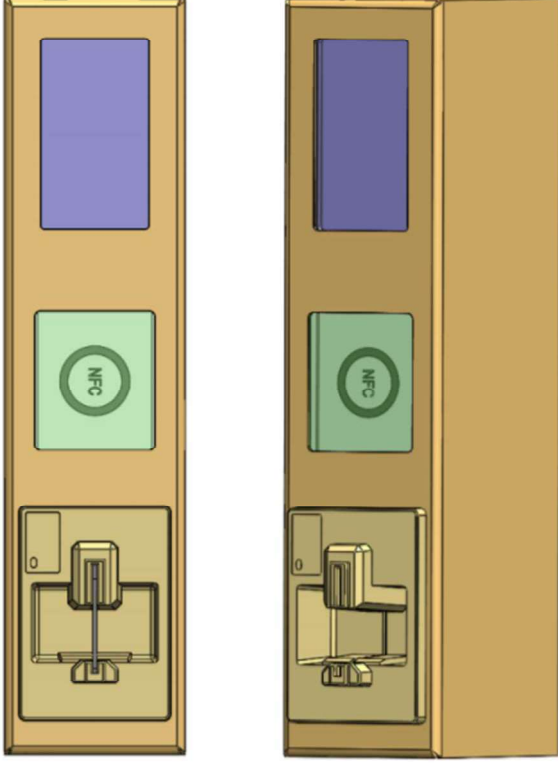




## PASSCHIP® Reader



**Release Date:** 2023-10-12

**Version:** 2.0.29

PASSCHIP Reader is a comprehensive solution tailored specifically for bank lobbies, providing 24-hour access control functionality. This innovative solution reads banking smartcards and permits access for valid, non-expired, and non-blacklisted cards, ensuring only authorized individuals enter restricted areas. With its integrated display and audio capabilities, PASSCHIP Reader interacts seamlessly with users, providing clear instructions and alerts, thus enhancing user experience and security protocols within the bank premises.

Moreover, PASSCHIP Reader is designed to seamlessly integrate with existing access control systems, facilitating a smooth transition and minimizing disruptions to ongoing operations. By leveraging advanced technology and robust security measures, PASSCHIP Reader enhances the overall efficiency and effectiveness of access control management within bank lobbies, providing peace of mind for both customers and staff alike.

### Functions

**Banking Smartcard Reader:**

PASSCHIP Reader features a specialized reader for banking smartcards, ensuring secure access for authorized personnel.

**24/7 Access Control:**

PASSCHIP Reader provides continuous security, allowing authorized personnel entry into the bank lobby at any time, day or night.

**User Interaction:**

With integrated display and audio, PASSCHIP Reader facilitates seamless user interaction, providing clear instructions and alerts for smooth access control.

**Existing System Integration:**

PASSCHIP Reader effortlessly integrates with current access control systems, bolstering security measures within the bank lobby.

**Blacklist and Expiry Verification:**

PASSCHIP Reader verifies smartcards against a blacklist and expiry date database, ensuring only valid, non-blacklisted, and non-expired cards gain access, enhancing security.

### Benefits

**Enhanced Security:**

PASSCHIP Reader ensures only authorized personnel access the bank lobby by validating smartcards, enhancing security.

**User-Friendly Interaction:**

Integrated display and audio guide users seamlessly through access control with clear instructions and alerts.

**Continuous Security:**

PASSCHIP Reader maintains 24/7 access control, ensuring constant security in the bank lobby.

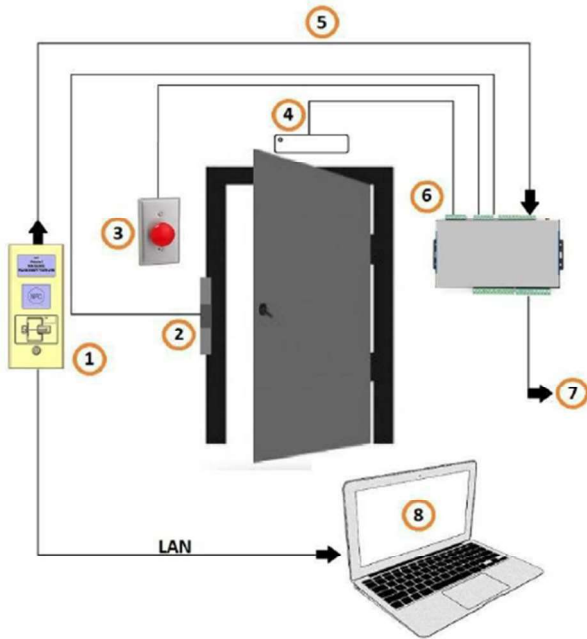
**Seamless Integration:**

Effortlessly integrates with existing systems, enhancing security without extensive modifications.

**Regulatory Compliance:**

Verifies smartcards against databases, ensuring compliance and a secure banking environment.

## Installation



- 1 = PASSCHIP;  
 2 = Door lock;  
 3 = Exit button;  
 4 = Door magnetic sensor;  
 5 = Communication between readers and controller;  
 6 = Controller;  
 7 = Wiegand protocol to other access control system;  
 8 = PC with parameterization software via Ethernet(802.1X port authentication)

## Ordering


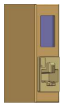
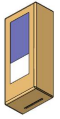

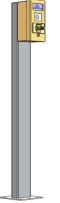

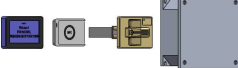
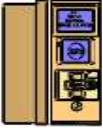

- PASSCHIP Reader Kit: Screen, Readers and controller kit
- PASSCHIP Case: Stainless Steel case chosen for your scenario

## Warranty

- 2 years from delivery for software:
  - Bugfixes
  - Updates
- 2 years from delivery for hardware

## Technical Specifications

| PASSCHIP Reader                |  |
|--------------------------------|--|
| Communication                  | Ethernet 100 Base-TX/10Base-T RS232 up to 115200 Bit/sec<br>Clock and Data<br>Wiegand up to 64 bit   |
| Memory                         | Internal DRAM 1 GB, record of min 50 configurable ID banking cards profiles according EMV or non EMV standard, SD slot available 1xMMC<br>Real time clock with back-up Li-Ion maintenance free battery |
| Reference Standards            | ISO 7816 with T=0 and T=1, EMVCo Level 1, ISO 7810, ISO 7811, JIS X6301, JIS X6302I, contactless NFC   |
| Processor                      | ARM 64-bit, 1.2 GHz, Quad  |
| Operating System               | Linux OS   |
| Software Upgrade               | Online, during functioning   |
| Power Supply                   | 85-264 VAC, 45-65 Hz, Cold Start   |
| Power Consumption              | Max. 30 W  |
| History Log capacity           | Internal 5MB, aprox.10 000 events with time stamp  |
| Lifecycle                      | Min 125 000 functioning hours<br>Min 500 000 insertion cycles  |
| Insertion Speed                | 8-127 cm/sec   |
| Reading time                   | 1-3 sec  |
| Construction                   | Applied mount in Stainless Steel case or Flush mount in Aluminium painted case, Antiskimming, metal bezel, antivandal, UV filter for LCD screen  |
| Display                        | LCD: 4,3" 480x272 pixels Contrast ratio 300:1,<br>Brightness min 300cd/sqm Color min QVGA 65 000 colors  |
| Agency Approvals and Standards | CE Conformity  |
| Ambient conditions             | Operating Temp:-30 C +50 C<br>Storage Temp:-35 C +60 C<br>Humidity: 10-95%   |
| Sound and interface            | Multi-color LED and multi-tone buzzer  |
| Size of controller (W x H x D) | 138 x 312 x 124 mm -Applied model<br>170 x 195 x 80 mm -Flush mount  |
| Weight                         | 1.5 kg   |
| Protection Class               | IP65 for Applied model<br>IP50 for Flush mount   |
| Interaction with the user      | Virtually any available known written language and multitone internal buzzer   |
| Black list                     | YES, online programmable for maximum 1 000 card profiles   |
| NFC                            | Optional   |

| Type   | Picture   | Dimensions (HxLxD)<br>mm | Configuration                       |                                     |                                     |                                     |                                     |                          |                                     |
|--------|---|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
|        |   |                          | Stainless Steel Case                | Contact CHIP Reader                 | NFC Reader                          | Display 4.2"                        | Built in Controller                 | External Controller      | Power source 12V                    |
| PS 1.2 |    | 380x90x120               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PS 5.2 |    | 300x90x120               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PS 9.1 |    | 225x90x52                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PS 9.2 |   | 200x80x40                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Picior |    | 1500x138x180             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Totem  |    | 1500x300x200             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PS 0   |  <p>Display: 76x120x20<br/>NFC read: 65x98x13<br/>CHIP read: 74x107x120<br/>Controller: 195x170x80<br/>(includes power source)</p> |                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PS 1   |    | 330x138x124              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PS 5   |    | 255x138x124              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |