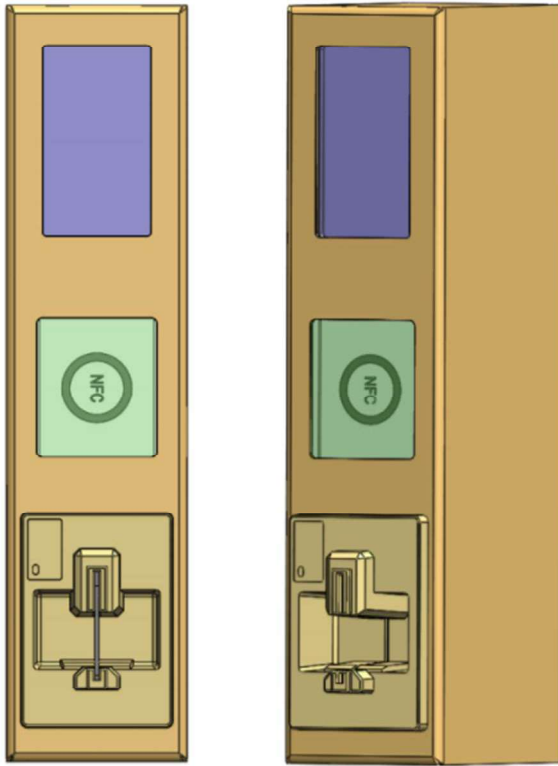# PASSCHIP

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:
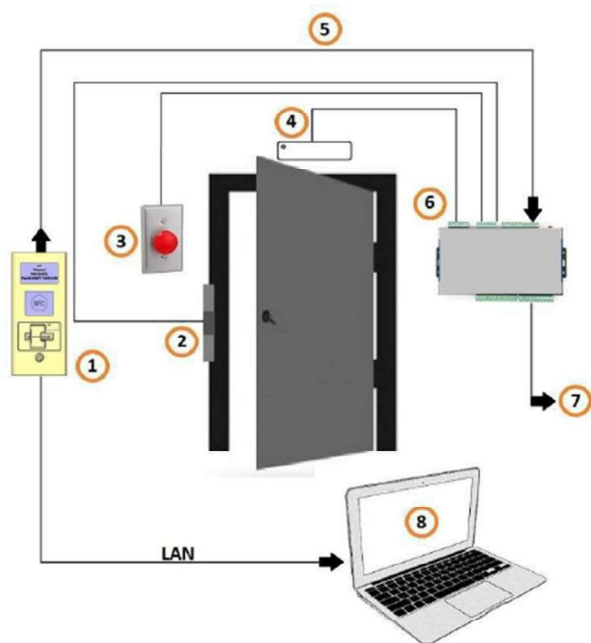PASSCHIP Reader maintains 24/7 access control, ensuring constant security in the bank lobby.
Seamless Integration:
Effortlessly integrates with existing systems, enhancing security without extensive modifications.
Regulatory Compliance:
Verifies smartcards against databases, ensuring compliance and a 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:
  - o Bugfixes
  - o Updates
- 2 years from delivery for hardware

Technical Specifications

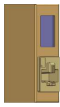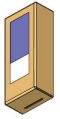| PASSCHIP Reader	
Communication	Ethernet 100 Base-TX/10Base-T RS232 up to 115200 Bit/sec Clock and Data Wiegand up to 64 bit
Memory	Internal DRAM 1 GB, record of min 50 configurable ID banking cards profiles according EMV or non EMV standard, SD slot available 1xMMC Real time clock with back-up Li-Ion 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 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 mounted in Aluminium painted case, Antiskimming, metal bezel, antivandal, UV filter for LCD screen
Display	LCD: 4,3'' 480x272 pixels Contrast ratio 300:1, Brightness min 300cd/sqm Color min QVGA 65 000 colors
Agency Approvals and Standards	CE Conformity
Ambient conditions	Operating Temp:-30 C +50 C Storage Temp:-35 C +60 C 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 170 x 195 x 80 mm -Flush mount
Weight	1.5 kg
Protection Class	IP65 for Applied model 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
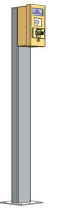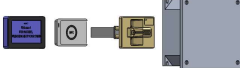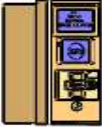
Printed in Romania

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www.passchip.com

PASSCHIP

Type	Picture	Dimensions (HxLxD) 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	●	●	●	●		●	●
PS 5.2		300x90x120	●	●		●		●	●
PS 9.1		225x90x52	●	●	●	●		●	●
PS 9.2		200x80x40	●	●		●		●	●
Picior		1500x138x180	●	●	●	●		●	●
Totem		1500x300x200	●	●	●	●	●		●
PS 0		Display: 76x120x20 NFC read: 65x98x13 CHIP read:74x107x120 Controller: 195x170x80 (includes power source)		●	●	●		●	●
PS 1		330x138x124	●	●	●	●	●		●
PS 5		255x138x124	●	●		●		●	●