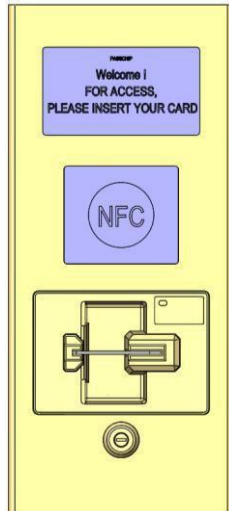# PASSCHIP®

This product is mainly dedicated to banks and financial institutions, with possibilities of usage in law enforcement agencies, telecom providers and other organizations for a secure and efficient access in sensitive areas using advanced contact chip and/or contactless NFC reader technology.

It can be connected to any access control platform using the most commonly used data formats like RS232, Clock and Data or Wiegand with up to 64 bits of data.

It is standard delivered with a solid TCP/IP interface for fast and continuous communication with the centralized security center in order to be online updated by system's administrator.

PASSCHIP is specially designed for outdoor installation in most severe environment conditions, being the most suitable solution for installing anywhere in the world with minimum maintenance costs. It is built in vandal proof concept, with a very strong stainless steel case with opening tamper and a specially protected LCD screen or.

Functions

Banking automation filter against unauthorized access in the self-service zones or any other protected areas

Advanced design for integration in any classical or modern façade

Available optional slim-line installing pillar Compact dimensions with tamper-proof solid stainless steel case-brush finishing or painted Full color or monochrome LCD screen

Ready for virtually displaying any text language, pictograms and animation depending of the software customization

Visual and acoustic signals for interfacing with the user

Centralized network upgradable while running using an user friendly interface

Antiskimming and coin proof construction with mechanical shutter

Benefits

- Protection of customers during self-service procedures
- Protection of ATMs and banking assets against unauthorized usage
- Extremely reliable product with an excellent ROI rate
- Proven long life service
- May be integrated in new or existing access control installations
- May be linked and integrated with CCTV, fire and intrusion detection through any integrated security platform
- Excellent substitute to human guard patrol service

THE WORLD'S FIRST BANK ID SMART ACCESS CHIP READER FOR SELF SERVICE AREAS

Installation

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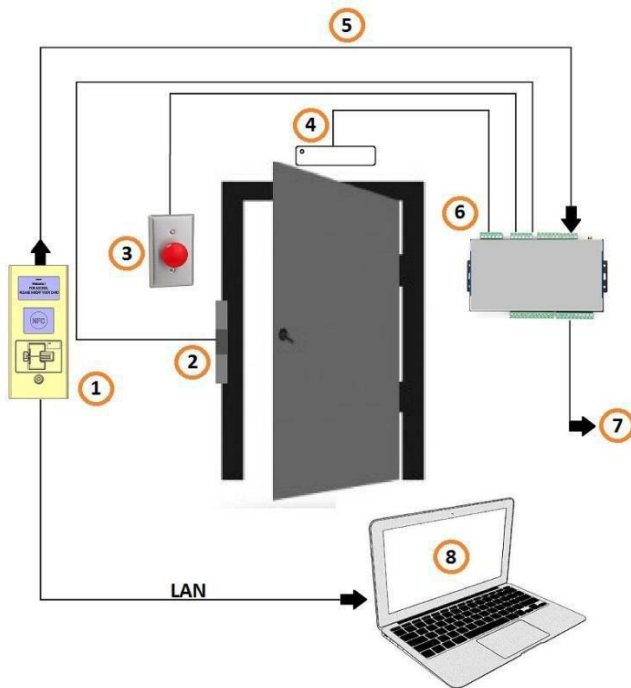
1 = PASSCHIP;
2 = Door lock;
3 = Exit button;
4 = Door magnetic sensor;
5 = Communication between readers and controller;
6 = Controller;
7 = Wiegand protocol to other access control system;
8 = PC with parameterization software via Ethernet(802.1X port authentication)

Ordering Information

- SACD 100/1: Outdoor stainless steel case Color LCD
- SACD 100/2: Outdoor flush mount Kit Color LCD
- SACD 200: Stainless Steel mounting column for SACD100/1 (Size W150 x H1300 x D150 mm)
- PASSCON Basic - Parameterization software
- PASSCON GUI - Client –Server administration software

Technical Specifications

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	On line, during functioning
Power Supply	85-264 VAC, 45-65 Hz, Cold Start,
Power Consumption	Max. 30 W
History Log capacity	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 mount 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 o f c ontr olle r (W x H x D)	138 x 312 x 124 mm -Applied model 170 x 195 x 80 mm -Flush mount
Weight	3.90 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

www.passchip.com

Data subject to change without notice