

# Secpass

## IP-based intelligent controller in DIN rail format



The performant Secpass access controller is based on a 1.5 GHz ARM processor with 2 GB RAM and 16 GB eMMC flash. It consists of a base board with 8 digital inputs and 4 relays. The door unit covers 2 isolated RS-485 channels for up to 8 readers and 4 doors: 1 relay and 2 digital inputs for each door.

Rest-Web-Service and WebSocket enable easy integration with leading market systems. The state-of-the-art touch display shows all kinds of system events, operation status and all parameters for the best support experience on site.

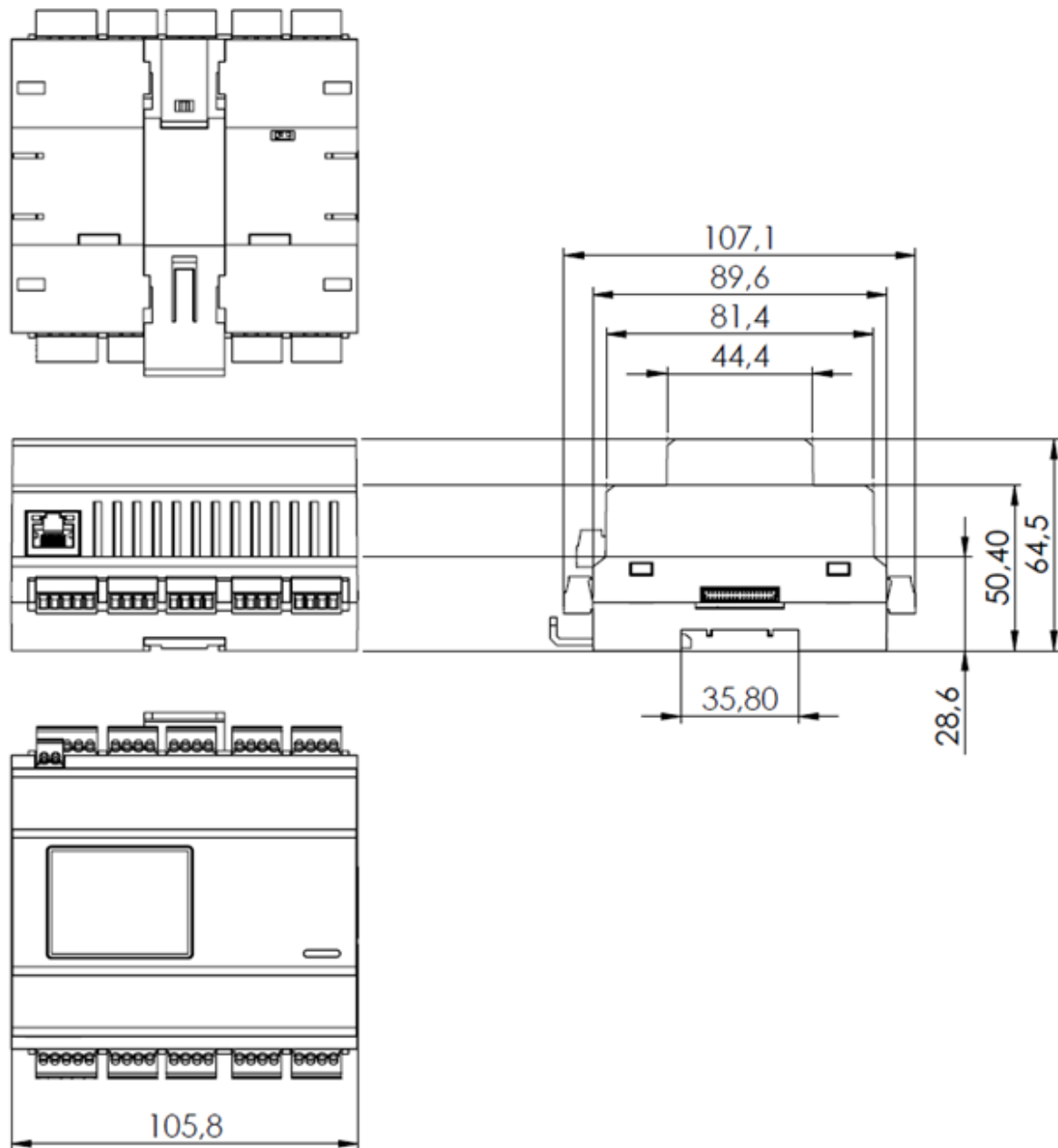
### Special features:

- + Simple mounting due to DIN rail housing
- + 2 RS-485 reader channels (OSDP), 8 inputs, 4 outputs in the basic configuration to control 1 to 4 doors
- + Direct secure network communication
- + More than 1.000 profiles, up to 250.000 badges, more than 1.000.000 events
- + Remote monitoring, diagnosis and updates
- + Sabotage detection and notification
- + Touch display for local diagnostic purposes with power saving mode
- + Multiple LEDs for quick and easy status display and diagnostics

<b>DEVICE</b>	
SIZE (L X W XH)	Approx. 105.80 x 107.10 x 64.50 mm / 4.17 x 4.22 x 2.54 inch
WEIGHT	Approx. 280 g / 10 oz
PROTECTION CLASS	IP30
<b>POWER SUPPLY</b>	
POWER SUPPLY	12-24 V DC DC power input (max.): 5 A @12 V DC / 2.5 A @24 V DC including readers and door strikes (max. 60 W) Total DC output (max.): 4 A @12 V DC; 2 A @24 V DC Relay output @12 V (internally powered): max. 0.6 A each Relay output @24 V (internally powered): max. 0.3 A each Relay output, dry (potential-free): max. 24 V, 1 A The sum of all external loads must not exceed 50 W. ES1/PS1 or ES1/PS2 <sup>1)</sup> classified power source according to IEC 62368-1
<b>ENVIRONMENT</b>	
OPERATING TEMPERATURE	+5 °C up to +55 °C (+41 °F up to +131 °F)
STORAGE TEMPERATURE	-20 °C up to +70 °C (-4 °F up to +158 °F)
HUMIDITY	10% to 85% (non-condensing)
<b>ENTRIES/EXITS</b>	
ENTRIES	Digital entries for door control (32 entries in total): 8x input which can be defined via software e.g. frame contact, request to exit; Sabotage detection: yes (optical recognition with IR proximity and accelerometer)
EXITS	Relays (1 A / 30 V max.) 4x change over contacts (NC/NO available) or direct power output
<b>COMMUNICATION</b>	
ETHERNET 10,100,1000 MB/S WLAN 802.11 B/G/N 2.4 GHZ	Yes
RS-485 CHANNELS	2x RS-485 reader channels PHGCrypt & OSDP V2 encrypt./unencrypt. (per Channel Termination Resistor via software on/off)
<b>VISUALIZATION</b>	
DISPLAY	2.0" TFT active matrix, 240(RGB)*320
LEDS	Power ON, LAN, 12 V reader, relay active input open/closed, relay powered, relay exits under power, RX/TX LEDs, reader voltage
<b>OTHER</b>	
CPU	ARM Cortex-A 1.5 GHz
STORAGE	2 GB RAM, 16 GB flash
CARDHOLDER BADGES	10,000 (basic version), up to 250,000 on request
EVENTS	More than 1,000,000
PROFILES	More than 1,000
HOST PROTOCOL	Rest-Web-Service, (JSON)
SECURITY	Optional TPM2.0 for key generation and administration, signature check of OS updates X.509 certificates, OAuth2, SSL, s/ftp RootOfTrust with IMA measurements
<b>CERTIFICATION(S)</b>	
	CE, REACH and RoHS-III compliant

<sup>1)</sup> All cables used in PS2 circuits must comply with IEC 60332

DRAWING – Main Unit



All dimensions in mm

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