INFORMATIONS PRODUIT

Référence : FD-125-003

Protocoles : Wiegand

Technologies : BLE, MIFARE® DESFire, MIFARE® Classic, MIFARE® Plus

DESCRIPTION

The iPassan IP access control system is smart, simple, state-of-the-art and designed for medium to large residential and commercial buildings.
To enable local decision making, iPassan plants have the ability to store all necessary information and consist of on-board intelligence. If the server were to go down by chance, access control would still be provided.

IP access control for up to 2 doors

The iPassan Access Control UTL has the ability to control up to 2 doors but its capacity can be increased to 6 with a 3/4/5/6 door option card.

The iPassan control units can be connected to each other via the TCP/IP network or via the RS485 bus and can be connected to input or output modules as they also have a secondary RS485 bus. When the control panels are used for 2 doors only, they can be fitted with input or output options instead of a 3/4/5/6 door option.

Manage your PoE controller with iPassan Manager

The iPassan Manager software has been designed to manage your entire system and secure your buildings. Intuitive and powerful, this software is available in Cloud or local version. The basic configuration by the wizard is very simple in eight steps. This IP access control software allows you to view the status of control panels, open doors remotely or monitor events in real time. The software can also integrate the management of lifts.

A secure access control LPU

Designed by FDI, the iPassan 2-door POE base station is an advanced scalable access control station. This POE control unit controls up to two Wiegand proximity readers. To give maximum flexibility, the control unit is compatible with third party Wiegand readers or with Wiegand FDI readers. As the plant is intelligent and stores all necessary information, decisions are made locally.

KEY CHARACTERISTICS

- Controller key characteristics
- 2 outputs for Wiegand proximity readers (up to 13 wires)
- Can easily be complemented by the 4-door option (Wiegand readers)

- PoE for fast startup.
- LED indicators showing the status of all readers and relays
- Integrated door contact management
- Secure IP and RS-485 communication
- Online and remote scalable firmware
- Designed for wall-mounting or for standard DIN Rail mounting
- Black-coloured housing to recognize the product quickly in relation to the grey iPassan Input/Output option modules

Power supply

The PoE 2-door iPassan base controller LPU operates with a PoE (Power over the Ethernet) switch or a 24/48VDC power supply.

Connectivity

The connectors on the top of the iPassan controller provide an easy, affordable extension and extra advantage for:

- 12 input/output card or programmable outputs in iPassan Manager software. When it is complemented by the 4-door extension card, it can reach a total capacity of 6 doors per controller.
- The 2-door base controller address is configured by entering the device number in the software.

Communication

An Ethernet port for connecting to the PoE switch.

Two RS-485 communication ports can also be used: one for communicating with other controllers (main) when they are not connected to the local network and one hosting Input/Output extensions (auxiliary).

A USB port for communicating with a server or computer.

Updating firmware

The 2-door iPassan base controller firmware can be updated using iPassan Manager software.

TECHNICAL CHARACTERISTICS

Power supply

Operating voltage: PoE or 24/48VDC PSU – up to 1A with 6 readers

Communication

- Ethernet: Fixed IP or DHCP
- RS485: Two RS485 communication interface ports, 1 for controller communication (main) and 1 for Input/Output communication (aux)
- USB: Server connection

Outputs

- Reader outputs: 12VDC 80mA output per reader
- Door relays: 4 48V 2A relays

Inputs

- REX input: Protected by an optocoupler
- Door contact input: EOL management
- Tamper x 2: Normally off – 1 for the cover of the controller + 1 for the housing

Temperature

- Operating: -20°C to 50°C
- Storage temperature: -20°C to 70°C
- Humidity : 85 RH max

Size

- Size(L x l x H): 200 mm x 90 mm x 34 mm (210 mm x 145 mm x 65 mm with cover)
- Weight: 595g

PRODUITS ASSOCIÉS COMPLÉMENTAIRES

- FD-500-575 : USB encoder
- FD-125-011 : iPassan controller – 4-door option
- FD-020-230 : Alpha reader
- FD-125-015 : iPassan 10-input module
- FD-010-146 : 10 pack – MIFARE® Classic – Proximity key
- FD-010-158 : Proximity key – Pack of 10 – Mifare® Plus