



## PRODUCT INFORMATION



**Reference :** FD-125-004



**Protocols :** Wiegand



**Technologies :** Mifare Plus, Mifare Classic, Desfire, BLE

## DESCRIPTION

iPassan is an intelligent, simple and high-tech IP access control system that has been designed exclusively for medium to large residential and commercial buildings.

Thanks to on-board intelligence and information storage, iPassan plants allow for local decision-making.

Access control is ensured in all cases, even if the server goes down.

### IP access control for up to 2 doors

The iPassan access control unit has the ability to manage two. Its control capacity can be increased to 6 doors with a 3/4/5/6 door option card.

With the TCP/IP network or the RS485 bus, the iPassan control units can be connected to each other. In addition, the control units have a secondary RS485 bus that allows input or output modules to be connected to it. When access control UTLs are used for 2 doors only, they can be fitted with input or output options.

### Manage your 12V controller with iPassan Manager

The iPassan Manager software is an intuitive and powerful tool, available in a cloud or local version, which allows a complete management of the system and the security of your buildings.

Only eight steps are required to configure the control unit via the wizard.

An intuitive and powerful tool, iPassan Manager allows you to instantly consult events and the status of control units, as well as to manage the opening of remote doors, lifts, etc.

### A secure access control LPU

Developed by FDI, the iPassan plant is scalable. Indeed, to allow maximum flexibility, the iPassan central unit is compatible with Wiegand FDI readers but also with Wiegand readers. The iPassan central unit is intelligent and records all the necessary information, enabling it to make decisions locally.

## KEY CHARACTERISTICS

- 2 outputs for Wiegand proximity readers (up to 13 wires)
- Can easily be complemented by the 4-door option (Wiegand readers)
- 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 2-door iPassan access control LPU runs on a 12 VDC 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 LAN connection.

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: 12VDC – 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

**COMPLEMENTARY ASSOCIATED PRODUCTS**

- FD-050-096 : 2VOICE Interface – Activation card
- FD-500-570 : iPassan 2VOICE interface
- FD-020-225 : Bluetooth – P80 – Proximity reader
- FD-603-053 : Black Zamak – 2-SMART – Door Entry Panel
- FD-020-185 : HF Wiegand 433 MHz receiver
- FD-010-203 : Blue – Mifare® Plus – Remote control