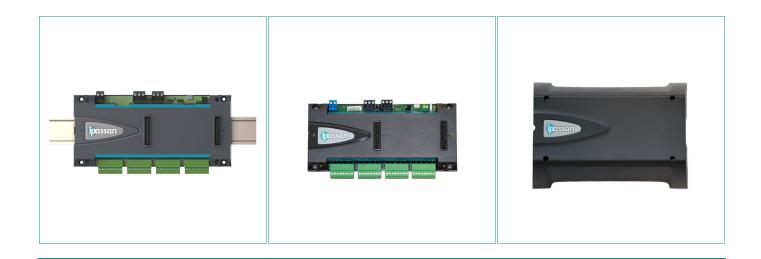# FDi urmet

12V – 4-DOOR – IPASSAN CONTROLLER

PRODUCT INFORMATION

Reference : FD-125-002

Protocols : 2 wires

Technologies : Mifare Plus, Mifare Classic, Desfire, BLE

DESCRIPTION

The iPassan IP access control system is smart, simple and state of the art. It is designed specifically for medium to large residential and commercial buildings.
Thanks to the storage of all necessary information as well as their embedded intelligence allowing local decision making, iPassan control units ensure access control even if the server is down.

IP access control for up to 4 doors

Four doors can be controlled by the iPassan access control UTL but it has the capacity to be increased to 6 doors with a 5/6 door option card.

The iPassan control units have the ability to connect to each other through the TCP/IP network or through the RS485 bus. A secondary RS485 bus is integrated to allow the connection of input or output modules. If the control units are only used for 4 doors, they can also be fitted with input or output options instead of a 5/6 door option.

Manage your 12V controller with iPassan Manager

The iPassan Manager software makes it easy to manage your entire system and secure your buildings. This intuitive and powerful software is available in a cloud or local version. The initial configuration through the wizard is relatively simple as it is done in only 8 steps. This software allows you to view real-time status of central stations, open doors remotely, manage lifts and track events in real time.

A secure access control LPU

The iPassan 4-door access control unit is an upgradeable unit designed and manufactured by FDI. 4 proximity readers can be managed by it.

Since the control units incorporate our unique protocol, they offer unparalleled security and functionality. Equipped with on-board intelligence, the iPassan central unit stores all the information needed to make local decisions.

KEY CHARACTERISTICS

- 4 outputs for 2-wire drives
- Can easily be complemented by the 2-door option
- 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 4-door iPassan base 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 2-door extension card, it can reach a total capacity of 6 doors per controller.
- The 4-door base controller address is configured by entering the device number in the software.

Communication

Two RS-485 communication ports can also be used: one for communicating with other controllers (main) when they are not connected to the LAN and one hosting Input/Output extensions (auxiliary).
A USB port for communicating with a server or computer.

Updating firmware

The 4-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-050-105 : Ipercom Integration – Activation card
- FD-125-002 : 12V – 4-door – iPassan controller
- GB-010-278 : Yellow – Mifare® Plus – Proximity key
- FD-020-242 : Stainless steel reader
- FD-020-190 : 433 MHz – 2 wire- HF Receiver