



PRODUCT INFORMATION



Reference : FD-125-001



Protocols : 2 wires



Technologies : Mifare Plus, Mifare Classic, Desfire, BLE

DESCRIPTION

Smart, simple and state-of-the-art iPassan is an IP access control system specially designed for medium to large-scale residential and tertiary buildings.

iPassan controllers store all the information required and boast embedded intelligence enabling local decision-taking.

Even if the server is down, your access control continues.

IP access control for up to 4 doors

iPassan access control LPU can control up to four doors but its capacity can be increased to 6 doors using a 3/4/5/6-door option card.

iPassan controllers can be connected together via the TCP/IP network or via the RS485 bus. They also have an ancillary RS485 bus to connect input and output modules. When the controllers are only used for 4 doors, they can also host input and output options instead of a 5/6 door option.

Manage your PoE controller with iPassan Manager

To manage your entire system and secure your buildings, iPassan Manager software is available in Cloud version or local version. iPassan Manager is powerful, intuitive software. It only takes eight steps for the wizard to complete initial setup. Once set up, you can also use this IP access control software to real-time view the status of the controllers, to remotely open doors and to see events as they take place as well as manage lifts.

A secure access control LPU

The PoE 4-door iPassan base controller is a FDI-designed advanced, scalable access control controller. This PoE controller manages up to four 2-SMART proximity readers. As these are based on our own protocol, they offer exclusive features and security. Decisions are taken locally as our iPassan controller is smart and stores all the information required.

KEY CHARACTERISTICS

- 4 outputs for 2-wire 2-SMART readers
- Can easily be complemented by the 2-door option
- 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 4-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 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

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 4-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

COMPLEMENTARY ASSOCIATED PRODUCTS

- GB-010-228 : Blue – Mifare® Plus – Proximity key
- FD-500-500 : 4-module metal enclosure
- FD-125-010 : iPassan controller – 2-door option
- FD-020-220 : 2-wire reader P40
- FD-125-021 : IPassan 12-output module
- FD-603-003 : Stainless steel – 2-SMART – Door Entry Panel