PRODUCT INFORMATION

Reference : FD-125-015

Protocols : RS485

Technologies : Mifare Plus, Mifare Classic, Desfire, BLE

DESCRIPTION

This module allows the management of 10 inputs and is connected to the iPassan central unit via the RS485 bus.
A maximum of 10 input modules can be connected, giving a maximum total capacity of 220 inputs.
This module facilitates the management of additional peripherals and the value of the end-of-line resistors can be defined in the system.

KEY CHARACTERISTICS

- 10 inputs with EOL resistors
- Can be easily complemented by the 12-input extension card.
- Perfect for controlling additional devices (sensor, fire alarm, etc.)
- LED indicators showing input status
- Secure RS485 communication
- Online and remote scalable firmware
- Designed for wall-mounting or for standard DIN Rail mounting
- Grey-coloured to recognize the product quickly in relation to the black iPassan base controllers

Power supply

The 10-input module operates with a 12/24 V AC/DC power supply. When it is used inside the metal iPassan housing, it can share the same power supply as the controller.

Connectivity and extension system

The iPassan-proposed input solution can be easily and cost-effectively extended and offers an additional advantage of:

- 10 inputs to use in any programmable input
- When complemented by the 12-input extension card, it can reach a total capacity of 22 inputs per module. 10 complete modules in the same RS485 row can control 220 inputs
- Additional devices easy to monitor
- 1 12VDC 200mA output to power any additional devices
- The input module address is configured by entering the device number in the software

Communication

RS485 communication is used for communicating with the controller or interconnection with other input/output modules

Updating firmware

The iPassan 10-input module firmware can be updated via the base controller using iPassan Manager software.

TECHNICAL CHARACTERISTICS

Power supply

Operating voltage: 12/24V AC/DC

Communication

RS485: communication to the central unit or to other I/O modules

Inputs

EOL management: 10 inputs (resistor value adjustable in the software)

The following resistor values are included:

- R1 (serial) value = 4.7kΩ
- R2 (parallel) value = 10kΩ

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: 247g

COMPLEMENTARY ASSOCIATED PRODUCTS

- FD-125-020 : iPassan 12-input option