





Features and benefits

IPassan is an IP-based access control system designed for medium to large commercial and residential projects.

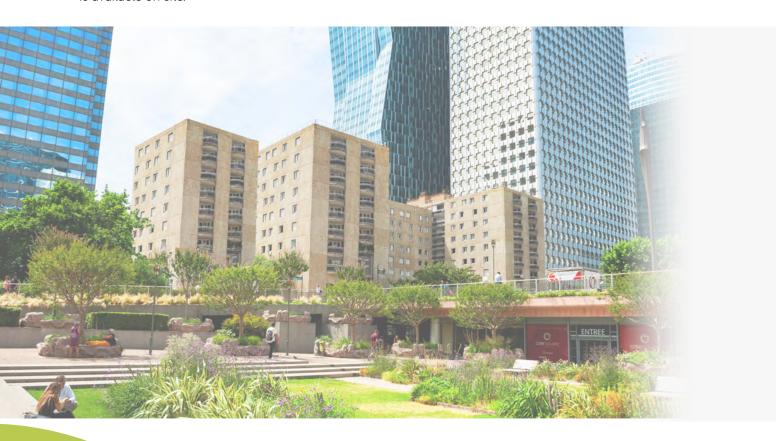
This simple but powerful solution is the result of continuous improvement of the access control expertise of our engineers involved in this project at FDI.

The **IPassan** system is set-up via the **IPassan Manager**, a very intuitive software which can be installed on a computer or on a server to enable remote and multiple access.

IPassan Manager is an architectural real client server, offering the best possible flexibility.

A Cloud version is also available on www.ipassan.com if an Internet connection is available on site.







- Up to six 2SMART readers per controller
- Easy commissioning smart wizard
- Secure communication
- Scalable access control

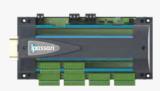






















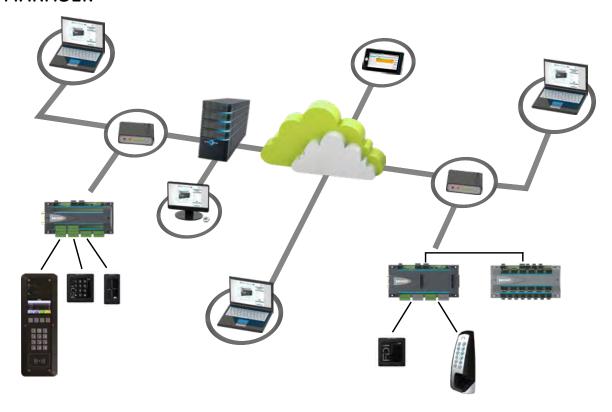




System architecture

Two solutions are available for the connection of the first controller to the server/computer on which the **IPassan Manager** is installed: by USB or Ethernet. USB is very universal. Ethernet has a main advantage which is remote management.

IPASSAN MANAGER



IPassan can be adapted to any building. Two communication technologies are offered:

The FDI **RS485** encrypted bus has all advantages of a field bus: ease of installation, reliability and comfort of use. Only 3 wires are used to connect a peripheral to the bus. A LED on the controller or on the expander shows the correct communication.

For more performance also, controllers are full TCP/IP which enables high transfer speeds and makes the communication with third party systems (lifts, hvac, etc.) easier. It also offers more interconnectivity (optical fiber, Internet, etc.)



Passan 4 door base controller FD-125-002 Mullion reader 40x40mm FD-020 FD-	or 2-SMART readers	Part Number		2-SMART readers - 13.56Mhz	Part Number
Passan 2 door expansion card provided p		FD-125-001	-1 1		FD-020-081 FD-020-220
Authoroom reader FD-020 FD-0		FD-125-002	-1 1	Mullion reader VR	FD-020-086
FD-125-003 FD-125-003 FD-125-003 FD-125-003 FD-125-003 FD-125-004 FD-125-005 FD-125-005 FD-125-006 FD-125-006 FD-125-007 FD-125-007 FD-125-008 FD-125-008 FD-125-008 FD-125-008 FD-125-008 FD-125-008 FD-125-009	•	FD-125-010	-	Panel mount reader 40x40mm	FD-020-007
Pibernet connection 24/48V POE Passan 2 door base controller Pibernet connection 12V Passan 2 door base controller Pibernet connection 12V Passan 4 door separation card or base controller (floor 3-4-5-6) Pibernet connection 12V Passan 4 door separation card or base controller (floor 3-4-5-6) Pibernet connection 12V Passan 4 door separation card or base controller (floor 3-4-5-6) Pibernet Stretches Steel reader Pib-020 Pibernet Elekta Steel reader Pib-	or Wiegand readers			Mushroom reader	FD-020-175
### PD-125-014 Chines Site Insest Steel reader ### PD-020 Chines Site Insest Steel reader ### PD-020 Chines Site Insest Steel reader ### PD-020 Chines Steel Po-020 Chines Steel Po-020 Chines PD-020		FD-125-003	EI	P60 single gang box reader - white	FD-020-209 FD-020-223 FD-020-221
or base controller (door 3-4-5-6) Urmet Elekta Steel reader FD-020 Urmet Elekta Steel Reader FD-020 Stainless Steel Backlight keypad I3 FD-025 Stainless Steel Backlight keypad I3 FD-026 Stainless Steel Backlight keypad I3 FD-020 PRRD mullion reader* FD-020 PRRD mullion reader* FD-020 Dimensions Base modules Controllers, 10 input, 10 output) 200x90x34mm Controllers, 10 input, 10 output) 200x90x34mm FD-020 With cover 210x145x65mm Urmet Elekta Steel Reader Wiegand readers 34bits - 13.56Mhz Willion reader * FD-020 Mullion reader VR GB-020 Panel mount reader 40x40mm FD-020 PGO single gang box reader - black FD-020 FOO single gang box reader - white FD-020 FFD-020 F		FD-125-004	-1 1	Urmet Sinthesi S2 reader	FD-020-176
O input base module SA485 connection FD-125-015 I input expansion card FD-125-020 O output base module SA485 connection FD-125-016 FD-125-016 FD-125-016 I in & prox reader 100m PR80 multion reader* FD-125-016 Wiegand readers 34bits - 13.56Mhz Multion reader * GB-020 FD-020 Multion reader * GB-020 FD-020 Multion reader * FD-020 FD-020 FD-020 FD-020 Multion reader * FD-020 Multion reader * FD-020 Multion reader * FD-020 Multion reader * FD-020 FD-020 FD-020 FD-020 Multion reader * FD-020 Multion reader * FD-020 FD-020 FD-020 FD-020 Multion reader * FD-020 Multion reader * FD-020		FD-125-011		Urmet Sinthesi Steel reader	FD-020-132
2 input expansion card FD-125-020 Pin 8, prox reader 100m FD-020 O output base module SS485 connection FD-125-016 FD-125-021 Wiegand readers 34bits - 13.56Mhz Wiegand reader * FD-125-021 Mullion reader * FD-020 FD-020 FD-020 Mullion reader * FD-020 FD-020 FD-020 FD-020 Mullion reader *	O options			Urmet Elekta Steel reader	FD-020-166
PD-125-020 O output base module Stal85 connection FD-125-016 Wiegand readers 34bits - 13.56Mhz Wiegand readers 34bits - 13.56Mhz Mullion reader P40 mullion reader * FD-020 Dimensions Base modules (controllers, 10 input, 10 output) O output expansion card FD-125-021 Mullion reader P40 mullion reader * FD-020 Mullion reader VR GB-020 Mullion reader VR Panel mount reader 40x40mm FD-020 P60 single gang box reader - black P60 single gang box reader - white	•	FD-125-015	-11	Stainless Steel Backlight keypad I3	FD-025-178
10 output base module 12 output expansion card 13 output base module 14 output expansion card 15 Dimensions 16 output expansion card 17 Dimensions 18 Base modules 18 (controllers, 10 input, 10 output) 19 output (controllers, 10 input, 10 output) 10 output (controllers, 10 input, 10 output) 10 output base modules 10 output expansion card 10 Dimensions 10 output expansion card 10 Dimensions 11 Mullion reader * 12 Output expansion card 15 Dimensions 15 Mullion reader * 16 B-020 16 Mullion reader * 17 Output treader 40x40mm 17 Dimensions 18 Mullion reader * 19 Dimensions 19 Mullion reader * 10 input, 10 output) 10 output) 11 Output) 12 Output base modules 12 Output expansion card 15 Dimensions 15 Mullion reader * 16 B-020 16 Bingle gang box reader - black 16 Bingle gang box reader - black 17 Dimensions 18 Dimensions 19 Dimensions 10 Urmet Elekta Steel reader 10 Dimensions 10 Urmet Elekta Steel reader 17 Dia	input expansion card	FD-125-020	-		FD-020-202
Wiegand readers 34bits - 13.56Mhz Wiegand readers 34bits - 13.56Mhz Wiegand readers 34bits - 13.56Mhz Willon reader P40 mullion reader * GB-020 FD-020 Mullion reader VR GB-020 Mullion reader VR GB-020 Mullion reader VR GB-020 Mullion reader VR GB-020 Panel mount reader 40x40mm FD-020 Top options (doors, 12 input, 12 output) 200x70x26mm With cover 210x145x65mm Urmet Elekta Steel reader black P60 single gang box reader - black P60 single gang box reader - white FD-020 Metal enclosures for 2 modules FD-500-499 FD-500-500 FD-500-500 FD-500-500 FD-500-500 FD-020-119 Fingerprint uSh desktop enroller FD-020 Fin & Prox reader RS 485 1000m FD-020 FD-020-190 FD-020-191 Wiegand RF receiver 433Mhz FD-020-185 FD-020-186 Wifare Plus* key GB-010 Wifare Plus* key GB-010 Wifare Plus* key Mifare Plu		. 5 120-020		PK80 mullion reader*	FD-020-222
Dimensions Sase modules Controllers, 10 input, 10 output) With cover 210x145x65mm Top options (doors, 12 input, 12 output) 200x70x26mm Metal enclosures FD-500-499 SU included) switch mode arge metal enclosure for 2 modules FD-500-500 FD-500-119 FD-600-119 FD-600-120 F		FD-125-016	-1	Wiegand readers 34bits - 13.56Mhz	
Dimensions Base modules (controllers, 10 input, 10 output) 200x90x34mm Panel mount reader 40x40mm FD-020 Top options (doors, 12 input, 12 output) 200x70x26mm Top options	output expansion card	FD-125-021	******		GB-020-097
Panel mount reader 40x40mm FD-020 With cover 210x145x65mm 210x145x65mm Urmet Elekta Steel reader FD-020 Retal enclosures FD-500-499 FD-500-499 FD-500-500 FD-500-500 FD-500-500 FD-500-119 FD-020 FD-02	imensions			r40 mullion reader	FD-020-224
Panel mount reader 40x40mm FD-020 Panel mount reader - black FD	ase modules			Mullion reader VR	GB-020-098
Urmet Elekta Steel reader FD-020 P60 single gang box reader - black P60 single gang box reader - white P60 single gang box reader Selecter Selecter - white P60 single gang box reader - white		200x90x34mm		Panel mount reader 40x40mm	FD-020-167
letal enclosures P60 single gang box reader - white PD-020 PBO mullion reader* FD-020 PBO mullion reader - white PD-020 PD-020 PBO mullion reader - white PD-020 PD-020 PBO mullion reader - white PD-020 PD-020 PD-020 PBO mullion reader - white PD-020 PD-020 PD-020 PBO mullion reader - white PD-020 PD-020 PBO mullion reader - white PD-020 PD-020 PBO mullion reader - white PD-020 PBO mullion reader - white PD-020 PD-020 PBD mullion reader - white PD-020 PBD-020 PBD-0	/ith cover	210x145x65mm		Urmet Elekta Steel reader	FD-020-157
Metal enclosures P80 multion reader* FD-020	op options (doors, 12 input, 12 output)	200x70x26mm			FD-020-137
The state of the s	etal enclosures				FD-020-154 FD-020-225
FD-020 Su included) switch mode FD-020 Stainless Steel Backlight keypad I3 FD-025 Super supply 3,5A 13,8VDC switch mode FD-020 FD-020 FD-020 FIngerprint reader Wiegand output FD-020 Fingerprint USB desktop enroller FD-020 FF Receivers - Encoder FD-020-190 FD-020-191 FD-020-191 FD-020-185 FD-020-185 FD-020-186 FD-020-186 FD-020-186 FD-020-575 FD-500-575	nall metal enclosure for 2 modules	FD-500-499	and the second	Urmet Sinthesi S2 reader	FD-020-171
FD-500-500 Stainless Steel Backlight keypad I3 FD-025 ower supply 3,5A 13,8VDC switch mode 70-001-119 Fingerprint reader Wiegand output FD-020 Fingerprint USB desktop enroller FD-020 Fingerprint USB desktop enroller FD-020 Pin & Prox reader RS 485 1000m PK80 mullion reader* FD-020 Wire RF receiver 433Mhz wire RF receiver 868Mhz FD-020-190 FD-020-191 Wiegand RF receiver 433MHz Wiegand RF receiver 433MHz Wiegand RF receiver 868Mhz FD-020-185 FD-020-186 FD-500-575	SU included) switch mode			Urmet Sinthesi Steel reader	FD-020-160
Fingerprint USB desktop enroller FD-020 Fingerprint USB desktop enroller FD-020 FD	•	FD-500-500	-		FD-025-082
Fingerprint USB desktop enroller FD-020 Power supply 7A 13,8VDC switch mode FD-020 Pin & Prox reader RS 485 1000m PKB0 mullion reader* FD-020 FD-020 FD-020 FD-020 FD-020 FD-020 FD-020 FD-020 FD-020-191 Fingerprint USB desktop enroller FD-020 F	ower supply 3.5A 13.8VDC switch mode	70-001-119	THE DO	Fingerprint reader Wiegand output	FD-020-121
RF Receivers - Encoder Pin & Prox reader RS 485 1000m PK80 mullion reader * Revire RF receiver 433Mhz Pin & Prox reader RS 485 1000m PK80 mullion reader * Revire RF receiver 868Mhz FD-020-190 FD-020-191 Wiegand RF receiver 433MHz Viegand RF receiver 433MHz Viegand RF receiver 868Mhz FD-020-186 Mifare classic® key GB-010 GB-010-105	1-ppy ojor rojot po smart mode	70-001-119	Name of the last o		FD-020-173
Rewire RF receiver 433Mhz Wiegand RF receiver 433Mhz Wiegand RF receiver 868Mhz FD-020-191 FD-020-191 Wiegand RF receiver 433MHz Wiegand RF receiver 868Mhz FD-020-185 FD-020-186 Mifare classic® key GB-010 Mifare Plus® key GB-010-10-10-10-10-10-10-10-10-10-10-10-10		70-001-120			FD-020-204 FD-020-226
Wiegand RF receiver 433MHz Wiegand RF receiver 868Mhz FD-020-186 Wiegand RF receiver 868Mhz FD-020-186 Wifare Plus® key GB-010- USB encoder 13.56Mhz FD-500-575			FOI	Key fobs - Cards - Transmitters	
Mifare Plus® key GB-010- USB encoder 13.56Mhz FD-500-575			Foi	Mifare classic® key	GB-010-010
			ra	Mifare Plus® key	GB-010-200
	A CHOOCH ISOUTHIE	FD-300-373		Pack of 10 ISO cards 13.56Mhz	FD-010-051
					FD-010-171 FD-010-172
					FD-010-203 FD-010-204





FDI MATELEC

Route de Saint Symphorien 85130 LES LANDES GENUSSON France

Tel: +33 2 51 61 69 69



