



iPB 4 INDOOR FINGERPRINT READER

The iPB4 is a **competitively-priced** indoor fingerprint-based biometric access control unit with **optional smart-card support** and a **small footprint** ideally suited to corporate environments.

Finally, a **fully programmable Wiegand interface** supported by most Enterprise-level access control systems makes the iPB4 a flexible, cost-effective solution for new and existing security systems.



IntelliDevices

The iPB4 is the first unit capable of managing an all-new range of modular micro-controllers that extend your device's capabilities.

Each iPB4 ships with an included IntelliRelay which can be daisy-chained to multiple other IntelliDevices, expanding your control to embrace alarm panels, lighting and more, all managed from the same device.

Simple Installation

Power, network communications and any other required inputs are connected to the IntelliDevice, which is mounted in a safe zone such as the inside of a ceiling, the controlled side of a door or even a secure cabinet.

A single Ethernet cable carries power, communication and any required inputs to the iPB4, significantly reducing the risk of tampering - especially for devices on the perimeter.

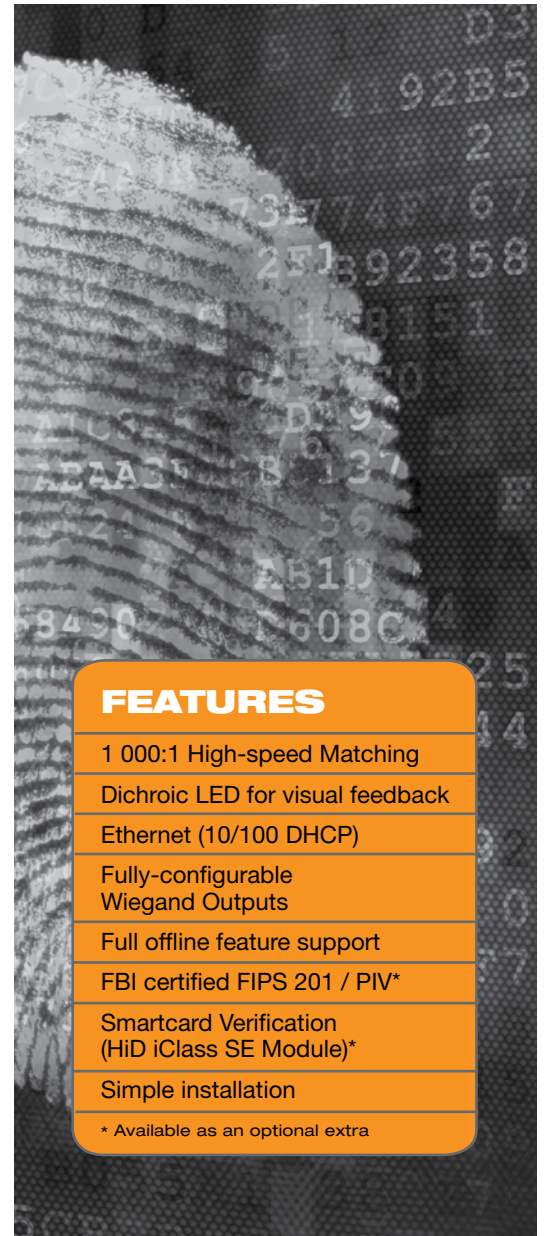
Communication

The iPB4 communicates with the outside world* via auto-switching 10/100 Ethernet with support for both static and dynamically-allocated addresses. In addition, the iPB4 can communicate with other systems through fully-configurable Wiegand outputs.

* through a connected IntelliDevice.

Algorithm

Blazing speed is achieved through a highly tuned algorithm which identifies an individual in less than 1 second, from up to 5 000 locally stored users, making it perfectly suited to high-density environments.



FEATURES
1 000:1 High-speed Matching
Dichroic LED for visual feedback
Ethernet (10/100 DHCP)
Fully-configurable Wiegand Outputs
Full offline feature support
FBI certified FIPS 201 / PIV*
Smartcard Verification (HiD iClass SE Module)*
Simple installation
<small>* Available as an optional extra</small>

IQSUITE.cloud COMPATIBLE

IQSuite.cloud is the software application that drives the system. Whether it is used as a stand alone system, or integrated into other platforms, IQSuite is where devices, people and configurations are managed.

Log in from anywhere to a dashboard-driven interface that shows you instantly whether your system is experiencing any problems. Drill down to find out exactly what is wrong - our exception based dashboard allows you to identify and resolve problems in moments.

Built from the ground up to be an IP-based solution, iPulse products still support legacy communications through our IntelliRelay architecture, bringing Wiegand and RS-485 into the modern world. Whilst designed as an always-on, Internet solution, all iPulse products function perfectly in an offline world.

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TECHNICAL SPECIFICATIONS

		Enterprise (Standard)	Identity (HiD iClass SE)
Biometric Features			
Verification – HiD iClass SE	One-to-One (Limitless)	--	•
Identification – Local Mode	One-to-Many (1 000 prints / 500 users)	•	•
Identification Performance 1:1	MiFare 0.8 secs, iClass 0.7 secs	--	•
Identification Performance 1:Many	5 000:1 in 0.7 secs	•	•
Transaction Logs	Onboard (> 1,000,000)	•	•
Minutiae Points	10-100 adjustable	•	•
FIPS 201 / PIV Compliance	UN20 sensor	•	•
Interfaces			
Wiegand Interface	Fully customisable Wiegand Output	•	•
Ethernet Port	10/100 MB auto-switching	•	•
Network Stacks	TCP/IP (fixed or DHCP)	•	•
Smartcard - module type	HiD iCLASS SE® Reader	--	•
Smartcard - supported formats	iCLASS Seos, iCLASS SE, Standard iCLASS, FeliCa™ MIFARE® Classic and MIFARE DESFire® EV1	--	•
	HID Prox	--	Optional
	Bluetooth LE	--	Optional
General Specifications			
Power	12 - 14 VDC	•	•
Operating Temperature	0 °C to 45 °C	•	•
Environmental Temperature	-10 °C to 50 °C	•	•
Sensor Type and Brand	Optical/Secugen	•	•
Sensor Resolution	500 dpi	•	•
Physical Dimensions	64 (w) x 179 (h) x 55 (d)	•	•
IP Rating	Pending	•	•
Certification/Compliance	FBI-certified FIPS 201 / PIV	•	•
Unit Housing	Polycarbonate casing	•	•
Warranty	1 year (can extend to 3 years)	•	•
Operating System	LINUX kernel	•	•

ABOUT IPULSE iPulse delivers a biometrics access control solution in a primary growth market that is easy to use, quick to install and affordably priced against existing legacy systems. The system is scalable and can be used as easily in a single door application as it can in a multi-door multi-site environment. The architecture makes it easy to support and is low risk to resellers and/or users with many sites.



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