

iPB4

Indoor fingerprint reader

Xtime
Workforce Management Solutions

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.

FEATURES

- 5 000:1 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

* Available as an optional extra

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.


iPulse
systems



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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 (5 000 prints / 5 000 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	U20 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 Systems is an award-winning, market-leading innovative design company that specialises in the design and manufacture of biometric technology solutions.

Working on the principle that organisations and individuals want simplicity, flexibility and a solution that “just works”, iPulse ensures that it offers a complete customer experience by providing hardware, firmware and software that works seamlessly to provide a unique user experience.

In addition to this, iPulse Systems works with large partners and other suppliers to integrate into their own products in the same seamless manner, thus allowing iPulse products to function as an extension of their own solutions.

Contact us

w www.ipulse.co.za t +27 (860) 478-573 (IPULSE)

e info@ipulse.co.za

