

iPB7 READER

The iPB7 is a world-class device with **technology far ahead of any of its competitors**. Designed around our advanced iPB-mainboard and its specialised **Linux** operating system, the iPB7 is one of the most **intelligent, flexible and extensible** biometric devices available.



FEATURES
10 000:1 High-speed Matching
IP65 Rating
Full-colour 3.2" LCD Display
Ethernet (10/100 DHCP)
Wiegand Connection (In/Out)
Full offline feature support
Customisable outer cover*
Smartcard Verification (HiD iClass SE Module) *
Simple installation
<small>* Available as an optional extra</small>



Algorithm

Blazing speed is achieved through a highly tuned algorithm which identifies an individual in less than 1 second, from up to 10 000 locally stored users, making it perfectly suited to high-density environments.



IntelliRelay™

An additional layer of security is provided by encrypting communications between the iPB7 and any connected IntelliRelays, negating the vulnerabilities of standard relays.

Connectivity

Connectivity is handled by auto switching 10/100 Ethernet with full DHCP, backed by a configurable Wiegand input/output supporting all standard formats. Ethernet ports for power and network cuts out needlessly complex wiring.

WHY BUY IPULSE?

iPulse is a **South African company** with a **Level 2 BEE rating**, which means that any purchases you make will count towards your own certificate.

We offer industry-best levels of service and support on our hardware, with

- the fastest turnaround on repairs,
- the most cost-effective service
- and excellent customer service ratings.

To top it all off, every device is **100% manufactured in South Africa.**

Built to last

The iPB7 has been built to last, as testified by the rugged polycarbonate casing and the pending dust- and weather-resistant IP65 rating. Interchangeable covers and keypads complete the image, allowing you to customise your device to suit your needs - be that for aesthetic or practical purposes.





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TECHNICAL SPECIFICATIONS

		Enterprise (Standard)	Identity (HiD iClass SE)
Biometric Features			
Verification – PIN	One-to-One (10 000 prints / 5 000 users)	•	•
Verification – HiD iClass SE	One-to-One (Limitless)	--	•
Identification – Local Mode	One-to-Many (10 000 prints / 5 000 users)	•	•
Identification – Server Mode	One-to-Many (100 000)	•	•
Identification Performance 1:1	MiFare 0.8 secs, iClass 0.7 secs	--	•
Identification Performance 1:Many	10 000:1 in 0.7 secs	•	•
Transaction Logs	Onboard (> 1,000,000)	•	•
Minutiae Points	10-100 adjustable	•	•
FIPS 201 Compliance	SDA04 sensor	Optional	Optional
Interfaces			
Wiegand Interface	Fully-customisable Wiegand output	•	•
Ethernet Port	10/100 MB auto-switching	•	•
IntelliRelay™	Secure Relay (max 255 devices)	•	•
Network Stacks	TCP/IP (fixed or DHCP)	•	•
Display	3.2" active TFT LCD (hi-colour)	•	•
Keypad	14-key backlit tactile keypad	•	•
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	12V DC	•	•
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	127 x 207 x 75 mm (W x H x D)	•	•
IP Rating	IP65 - dust & weather resistant	•	•
Certification/Compliance	ISO certified / South African	•	•
Unit Housing	Polycarbonate casing - modular	•	•
Warranty	1 year (can extend to 3 years)	•	•
Language Support	Yes (4 of 20 languages supported)	•	•
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.

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