iPB6
READER

The iPB6 is a world-leading device with **technology far ahead of any of its competitors**. Unlike previous-generation biometric devices, the iPB6 is based on a **Linux operating system**, and runs many business applications to provide for specific tasks, thus making it **highly versatile!**

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, thus making it perfectly suited to high-density environments.

Language

The iPB6 supports up to 20 languages, with the option to have up to four languages operating simultaneously. The device not only caters for a generic operational language, but allows individuals to specify which language they prefer and then communicates with them in that language.

1-Wire

The iPB6 comes standard with a unique "1-wire" relay, allowing doors to be controlled through secure communication, thus removing the current weak point of biometric devices. In addition, an anti-tamper switch and custom screws guarantee the security of the device.

Connectivity

Connection to the outside world is ensured through auto switching 10/100 Ethernet with full DHCP, Serial (RS232/485), Wiegand, USB (slave mode) and an additional option of either GSM (GPRS) or Wireless connectivity, if required.

FEATURES

- 10 000:1 High-speed Matching
- Highly Secure "1-wire" Relay
- Full-colour LCD Display
- Ethernet (10/100 DHCP)
- Serial Connector (RS-232/485)
- Wiegand Connector (In/Out)
- USB Port (slave mode)
- GSM Connectivity (GPRS, Edge or HSPA) *
- Wireless Network (802.11b, 802.11g) *
- Smartcard Verification (Mifare RFID) *
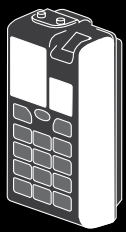
* Available as an optional extra

SOFTWARE APPLICATIONS

The iPB6 comes standard with BasicIQ, a licence-free application that supports up to 500 users and 10 devices from any networked PC.

BasicIQ is XP/Vista/Windows 7 compatible, and is used to integrate the devices through one simple, easy-to-use platform for enrolment and general maintenance.

BasicIQ is part of a family of licensed products, including **TimeIQ** (time and attendance), **AccessIQ** (advanced logical and physical access control), **AssetIQ** (RFID and biometric asset tracking) and **VisitorIQ** (visitor and parking management system).

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TECHNICAL SPECIFICATIONS

		Access (basic)	Enterprise (wireless)	Communica (GSM/GPRS)	Identity (Mifare)
Biometric Features					
Verification – PIN	One-to-One (10 000)	•	•	•	•
Verification – Mifare Card	One-to-One (Limitless)				•
Identification – Local	One-to-Many (10 000)	•	•	•	•
Identification – Server	One-to-Many (100 000)	•	•	•	•
Transaction Logs	Onboard (18 000 000)	•	•	•	•
Minutiae Points	10-100 adjustable	•	•	•	•
FIPS 201 Compliance	SDA04 sensor	Optional	Optional	Optional	Optional
Interfaces					
Wiegand Interface	In & Out (11 x ISO standards)	•	•	•	•
Serial Interface	RS-232	•	•	•	•
Serial Interface	RS-485	Optional	Optional	Optional	Optional
USB Interface	Slave mode	•	•	•	•
GSM Communications	SMS/GPRS (Class 12)	Optional		•	Optional
Ethernet Port	10/100 MB auto-switching	•	•	•	•
Wireless Network	WiFi 802.11 b/g	Optional	•		Optional
Secure Relay	1-Wire Relay (max 255 devices)	•	•	•	•
Network Stacks	TCP/IP (fixed or DHCP)	•	•	•	•
Display	2.4" active TFT LCD (hi-colour)	•	•	•	•
Keypad	14-key membrane switch	•	•	•	
Keypad and Smartcard	5-key membrane and reader				•
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	85 x 160 x 45 mm	•	•	•	•
IP Rating	IP65 mounting kit	Optional	Optional	Optional	Optional
Manufacture	ISO certified / South African	•	•	•	•
Unit Housing	Polycarbonate casing	•	•	•	•
Warranty	1 year (can extend to 3 years)	•	•	•	•
Language Support	Yes (4 of 20 languages supported)	•	•	•	•
Operating System	LINUX kernel	•	•	•	•
Application Interface	Microsoft.Net 2008	•	•	•	•

About iPulse

iPulse Systems is a manufacturer of biometric and GSM-based devices and is committed to developing advanced next-generation solutions around these technologies.

iPulse Systems works through a structured, tier-based channel, and sells products throughout sub-Saharan Africa, Brazil and Australia.

iPulse Systems is a privately owned South African company which is a subsidiary of the dynamic Richmark Holdings group of companies.

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