

ACTatek™ - FINGERPRINT SECURITY & TIME ATTENDANCE SYSTEM

Biometric Secure Access Control & Attendance System

The ACTatek™ platform uses latest proprietary 500 dpi Optical Scanning Technology, taking advantage of next-generation recognition algorithms that raise the bar on accuracy and set us a step above standard fingerprint technologies available today.

A basic advantage of using biometric fingerprint technology over other traditional security systems, such as swipe cards or PIN, is that a fingerprint cannot be lost or even stolen. All images are converted to encrypted binary data as soon as a user is registered into the system.

ACTatek™ supports 500 users in its business model, and upto 3,000 users in its Corporate model, all user information, including fingerprint data is stored in the database built-in to the system.

There are 3 access methods, ID + Fingerprint, ID + Password & Fingerprint Only, also known as Automatch. This gives an option of which access methods to use during authentication, a significant plus considering some people may have damaged or difficult to read fingerprint minutiae data. Moreover, all fingerprint information captured by the units is encrypted to prevent any unlawful data theft.

In addition to the unbeatable fingerprint technology, to add the security feature of this system, there is an optional built-in CMOS camera installed above the LCD screen. This takes a snapshot for every successful or rejected attempt and stores it within its database, as it does with other time-stamp information. This allows you to know who the rejected user was, whether it was an employee trying to gain surruptious entry, or whether it was an intruder.

All event records can be viewed via the web interface from anywhere at anytime through any Operating System using a standard web browser!



FEATURES & BENEFITS

- ▶ 2 Access Methods: Fingerprint and Password.
- ▶ Operates in Standalone or Network modes.
- ▶ Encrypted communication between units & browser.
- ▶ All Software & Hardware built-in to the unit.
- ▶ IP-rated weather & impact resistant casing.
- ▶ Multi-Lingual interface - supports English, Spanish, Chinese, Arabic & German - More in Future releases!
- ▶ Maximum User Enrollment of 10,000 users.
- ▶ Maximum Transaction storage of 10,000 records.
- ▶ 1:1 & 1:N verification methods.
- ▶ Control, configure & administer via web interface.
- ▶ Real time system update and configuration.
- ▶ Integration with Weigand 26-bit & 40-bit output.
- ▶ Optional Built-in CMOS camera.
- ▶ Optional Wi-Fi support.
- ▶ Optional contact card support.
- ▶ Optional external smart card reader.
- ▶ Optional external relay.

Scanner Technical Specifications

Features	Technical Specification
Fingerprint Image Resolution:	500DPI
False Rejection Rate (FRR):	0.01%
False Acceptance rate (FAR):	0.0001%
Allowed Fingerprint Rotation:	+ / - 15 Degrees
Matching Speed:	0.05 second
Scanning Speed:	Less Than a second
Number of Minutiae Taken:	30-60 depending on Quality Level
Operation Temperature:	0 to +65 Degrees Celsius

Good Vs Bad captured Fingerprint Image

A good fingerprint image is one in which the core of the fingerprint is well-defined and easily recognizable. The core of a finger is defined as the "point located within the inner most recurving ridge". It is normally located in the MIDDLE of the fingerprint. It is therefore critical when enrolling that you place the finger on the scanner where the entire core can clearly be seen.

An example of a good & bad Image is displayed as follows:



Good Image: A reading where the whole fingerprint core can be seen clearly.



Bad Image: An image where the crackles & displacement of the fingerprint core decies it unrecognizable.

BiometriTech
Product Of The Year

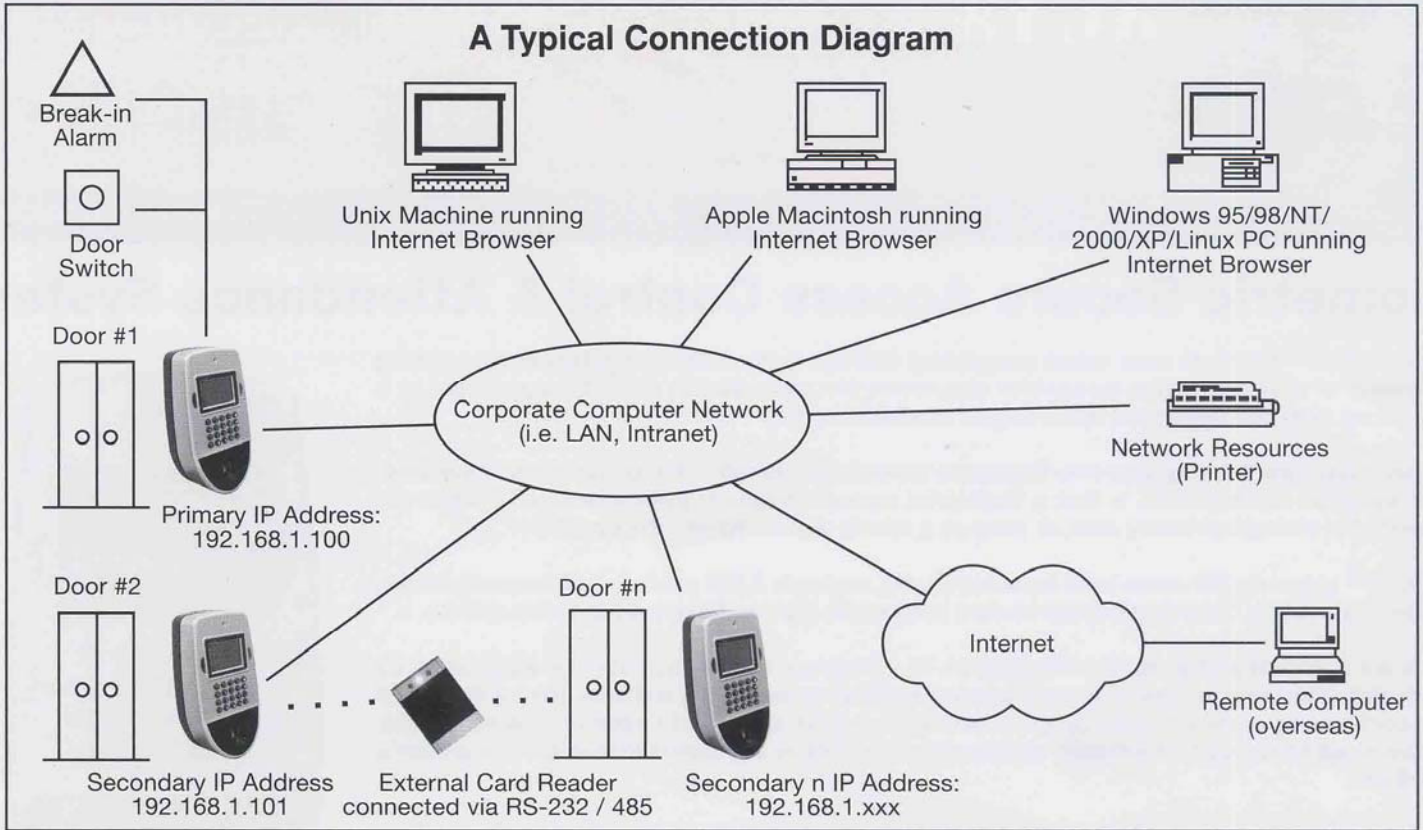
IP-RATED CASING



now with
optional built-in
CMOS Camera



Access Control



1) Direct connect to NIC card in PC use crossover cable

2) Connection to network LAN use patch cable

Standard Features

Model:	Fingerprint only	SmartCard only	Fingerprint + SmartCard	Keypad + CMOS camera
Fingerprint enrollment	✓	X	✓	X
Built-in Smart Card Reader	X	✓	✓	X
Built-in Web and Database Server	✓	✓	✓	✓
Max. Employees		10,000		
Max. transaction records stored		10,000		
Exchange Information between Devices (Primary / Secondary)	✓	✓	✓	✓
Static IP address assignment	✓	✓	✓	✓
Dynamic IP address assignment	✓	✓	✓	✓
Backlit LCD Display	✓	✓	✓	✓
Non-volatile Memory		32MB		
Printer Support		USB/Serial/network		
Computer supported (with Internet Browser)		Apple Macintosh Windows 95/98/NT/2000/XP Linux PC Unix Machine		
Valid Characters for Employee ID	0 - 9, A - C (max. 10 chars)			
Authentication Time	< 1 second			

Model:	Fingerprint only	SmartCard only	Fingerprint + SmartCard	Keypad + CMOS camera
Directory Service Support		LDAP(Pro)		
Database Interface Support		ODBC / JDBC		
Encryption		Secure Socket Layer		
Multilingual Support	✓	✓	✓	✓
Network Interface		10/100BT Ethernet (Built-in) GSM/GPRS, Wi-Fi, Modem		
Expansion		Serial/USB/RS-232/RS-485 CF/Weigand		
Operation Mode		Cache Mode Server Primary/Secondary mode		
Programming API		SOAP API		
Report	✓	✓	✓	✓
Remote Control	✓	✓	✓	✓
Operation temperature		0°C-60°C		
Modules	CPU module Fingerprint module Contact & Contactless SmartCard Module Proximity Module Legic Module LCD Module Keypad Module CMOS Camera Barcode / EM reader Module HID proximity iClass Module External Card Reader External Relay			
Relay Support	2 Relays			
Case	IP65 -fluid ingress, dust, salt, fog protection			
Safety Standard	EU, CE, FCC, IP			

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