

Introducing iGuard FPS110

*.... the first Biometrics Access Control and Time Attendance System
that fits into your Web WorkStyle!*

The screenshot shows the iGuard Fingerprint Security System software running in a Netscape browser window. The interface includes a menu bar (File, Edit, View, Go, Communicator, Help), a toolbar with Back, Forward, Reload, Home, Search, Netscape, and Print buttons, and a sidebar with various administrative links like Terminal Main, iGuard FingerPrints Security Terminal, and Reports. The main content area displays an 'Access Log' table with columns for Date, Time, Department, In/Out status, and Employee Name. Below the log is a large image of the iGuard FPS110 device, which is a blue rectangular unit with a numeric keypad (1-9, 0, *, #), a small display screen showing 'iGuard FPS110', 'Mon 28 Mar 18:11', and 'ID #: - IN', and a fingerprint sensor at the bottom.

Built-in Web Server -- enables platform independent operation

- * ease of use - the Internet Interface simplifies the access & control of the device,
- * eliminates software-maintenance - the only software required to administer & access the device is the standard Internet Browser, such as the Netscape Navigator and the Microsoft Internet Explorer. No other special software is required.
- * provides real-time attendance data rather than week-old or day-old data.
- * does not require any dedicated computer -- all the software required for the operation is embedded in each iGuard FPS110. The device can even operate stand-alone without connecting to the corporate computer network.
- * does not require any dedicated person to maintain the device -- iGuard FPS110 is 100% maintenance-free.

What is iGuard FPS110?

iGuard FPS110 is a new biometrics (fingerprint identification) Access Control & Time Attendance system for business. Rather than using the traditional optical fingerprint scanner, it uses the most-advanced capacitive fingerprint sensor for fingerprint acquisition, to achieve the highest fingerprint-identification results in the industry. Unlike other security systems, the new iGuard FPS110 incorporates an embedded Web Server, which enables all computers, such as Apple Macintosh, PCs & Unix machines, in the corporate computer network to setup, maintain and access the information of the device simultaneously using the well-known Internet Browser.

Problems with the traditional password / barcode & smart card systems

There is simply no foolproof way to make these traditional systems completely safe from unauthorized intrusion. Passwords & ID badges can be stolen, and users can give their passwords & badges to others, resulting in a system that is far too open to far too many people.

How it works -- as an Access Control System

iGuard FPS110 analyzes & compares a person's fingerprint against the previously enrolled record. If the two fingerprints match, the person is authenticated. And if the time is within the authorized period for entry, the device will signal & release the electric door lock.

How it works -- as a Time Attendance System

When configured as a Time Attendance System, a user can specify whether he/she is clocking-in or clocking-out. By using fingerprint to determine identity, buddy-punching problem can be totally eliminated.

Built-in Database Server -- information at your fingertips

- * allows easy information retrieval sorted by either employees, departments, periods and more.
- * all data are irrefutable -- provides transaction & attendance records that cannot be forged, altered, stolen or duplicated.
- * employees data, including fingerprint data, is automatically shared among devices in a multi-device network environment, thus users only need to enroll once.
- * generates various reports such as attendance report, time sheet, and more.
- * information & reports can be easily exported to the popular spreadsheet format for further data manipulation.



Standard Features

Modal:

	20 - User	100 - User	150 - User	250 - User	1,000 - User
Two-finger enrollment	✓	✓	✓	✓	✓
Built-in Web Server	✓	✓	✓	✓	✓
Built-in Database Server	✓	✓	✓	✓	✓
Max. Employees	20	100	150	250	1,000
Max. transaction records stored	3,000	4,000	4,000	4,000	5,000
Exchange Information between Devices (Master / Slave configuration)	✓	✓	✓	✓	✓
Static IP address assignment	✓	✓	✓	✓	✓
Dynamic IP address assignment	✓	✓	✓	✓	✓
Support existing DHCP server	✓	✓	✓	✓	✓
Non-volatile Memory	2MB	4MB	4MB	4MB	8MB
Support existing Network Printer	✓	✓	✓	✓	✓
Computer supported (with Internet Browser)					Apple Macintosh Windows 95 / 98 / 2000 / NT Unix Machine
Valid Characters for Employee ID					0 - 9, A - B (max. 10 chars)

* All models support iGuard API Software Development Kit for application development

Technical Specifications

Power	12VDC, 800mA
Display	16 x 2 LCD with backlight
Fingerprint Sensor Type	Capacitive
Fingerprint Sensor Resolution	500 dpi
Fingerprint Sensor scan area	1.5cm x 1.5cm
Image Capture Time	< 1 sec.
Verification Time	< 1 sec.
False Rejection Rate	< 1%
False Acceptance Rate	< 0.01%
Network Protocol	TCP/IP
Network Interface	Ethernet (10-Base T)
Real-Time Clock	Last for approx. 2 days without power
External Controls	Door Strike Open-Door Switch Break-in Alarm Door Status (Input)
Dimensions (mm)	105(W) x 38(D) x 150(H)

* All information is subject to change without notice

A Typical Connection Diagram

