

iGuard™

Smartcard based

Time Attendance and Access Control System
with Web based Software



AVI INFOSYS

Define → Design → Deploy



iGuard™

iGuard™ Technology Overview

Each iGuard™ Smart Card Security Appliance has a built-in Web Server enables all the computers in the corporate network to directly simultaneously access the device using any Internet Browser, such as Microsoft Internet Explorer Netscape Navigator. Different computer platforms such as Apple Macintosh, Microsoft Windows Linux machines can access the device. No additional software is required. So whether you are in an airport lounge or a hotel room, you can always check if your employees are already in the office or not, and you can even control, modify or disable their access rights to your office remotely via internet connection provided your iGuard Smart Card Security Appliance is connected to an external IP address or your network is available through a VPN connection that is reachable from your location.



iGuard™ Features

Multi Factor Authentication:

With iGuard, users can be authenticated and verified through Fingerprint, Smartcard or Password. And

depending on the different time period, you can set up the iGuard that the users can just simply presents his smartcard to get authorized (such as during high-traffic period), or requires the high-security fingerprint verification (such as after office hours or during weekends and holidays).

Simplicity:

iGuard is an Internet-Ready Security System, and is the first and the only network appliance security product in the market that uses TCP/IP as the protocol

Access Feature

- Access Time restriction - you can define the authorized time for each individual or for a group of individuals.
- Terminal restriction - you can specify who has the rights to access a particular terminal. It is useful in a multi-device environment, where multiple doors are controlled by different devices.
- Password Access - you can define the period in which password can be used instead of fingerprint for access. This is particularly useful if you want to just

Economical:

All the necessary hardware and software is built-in to the device, including the hardware to connect the system to the corporate network. All you need to do is to plug-in the popular RJ-45 network cable to the back of the device. No other hardware and wiring is necessary. In contrast, all other existing security systems use the old RS232 & RS485 wiring system to connect to the dedicated computers (not to the corporate network), and it usually involves a lot of extra wiring works.

Small Footprint:

iGuard is a wall-mounted unit elegantly designed with extremely small footprint. In fact, it is the smallest stand-alone biometrics device available in the market today. It can be mounted easily and conveniently without

Smartcards for iGuard™ readers

Technical Specifications

- RF contactless operates at 13.56 MHz
- Standard NXP Mifare Card
- 1K bytes, 15 sectors, 48 bytes each
- R/W is protected by encryption key, 48 bit triple DES
- Raw data is scrambled by 64 bit DES.
- High Security, suitable for all applications.
- Free sectors can be reserved for multiple any purposes



Technical Specifications:

	FP / SC / FSC	Super Master
Power	12VDC, 600mA	12VDC, 800mA
Fingerprint Sensor	Yes / n/a / Yes	n/a
Contactless Smart Card reader writer (built-in)	n/a / Yes/ Yes	n/a
Web and Database Server	Built-in	
Network Security (SSL)	Optional	
Auto Data Synchronization (i.e., master / slave configuration)	Yes	
Maximum Transaction Records stored	10,000	20,000
Static / Dynamic IP Assignment	Yes(Support existing DHCP Server)	
Non-volatile memory	16MB	
Computer Supported (with Internet Browser)	Macintosh, Windows 95/98/NT/ME/XP, Linux and Unix Machine	
Valid Characters for Employee ID	0-9, A-B(maximum - 8 characters)	
Display	20 x 2 LCD with Backlight	n/a
LCD Multi-Lingual	Yes	n/a
Two Finger Enrollment	Yes	
Fingerprint Sensor Type	Capacitive	n/a
Fingerprint Sensor Resolution	500dpi	n/a
Fingerprint Sensor scan area (mm)	12 x 15	n/a
Image Capture Time	< sec.	n/a
Verification Time	< 1 sec.	n/a
False Rejection Rate	< 1 %	n/a
False Acceptance Rate	< 0.01%	n/a
Auto-match Count	30	n/a
Network Protocol	TCP/IP, Wiegand, RS485, RS232 (Optional)	
Network Interface	Ethernet (100-Base T)	
Real Time Clock	Last for approx. 2 days without power	
External Controls	Door Strike Open-Door Switch Break-in Alarm Door Status	n/a
Dimension (mm)	105(W) x 38(D) x 150(H)	254(W) x 193

An ISO 9001:2008
Certified IT Solutions
Provider Company

TOLL FREE 800 AVI (800-284)



AVI INFOSYS
Define → Design → Deploy

AVI INFOSYS LLC

Master Suite B # 1203, Pent House Office,
Bel Rasheed Twin Towers, Al Qusais - III,
Damascus Street, PO Box: 26813.
Dubai, United Arab Emirates
Tel: +971 4 258 8260, Fax: +971 4 258 8270
Email: info@avi-infosys.com
Web: www.avi-infosys.com

RESELLERS ADDRESS

INTERNATIONAL OPERATIONS

