

iGuard LM520



Infodata's solution: iGuard

iGuard is the world first embedded web server system device with built-in access control & time attendance applications. It supports biometric fingerprint & contactless smart card authentication.

Built-in Application Server-Maintenance Free

All the software required for the operation is embedded in each device and no dedicated computer is needed. Technical person is not necessary to maintain the device. iGuard is 100% maintenance free!

Contactless Smart Card for Fast Access

Use of contactless smart card Saves the time for entering user ID. Moreover, the device can be configured for quick access mode allowing smart card access without finger print authentication.

Advanced Capacitive Fingerprint Sensor

Rather than using the traditional optical fingerprint scanner, iGuard uses the most-advanced capacitive fingerprint sensor for fingerprint acquisition to achieve the highest fingerprint-identification results in the industry.

User Friendly Web Administration Interface

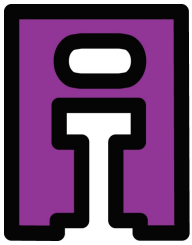
iGuard incorporates an embedded Web server, which enables all computers, such as Macintosh, PCs & Unix machines, in the corporate computer network to setup, maintain and access information of the device using standard Internet browser.

Enhanced Reporting Capability with Built-in Database Server


iGuard can generate various reports in two formats: TEXT & Excel (xls) formats. All reports can easily be downloaded directly from the device via Internet Browser .

Simple Setup and Easy Administration for a Network of iGuard Devices in Remote Locations

iGuard adopts the most widely used communication protocol TCP/IP instead of the slow and ineffective RS-232 & RS-485 used in the traditional security system. Multiple iGuard devices in various locations can be easily networked and synchronized through IntraNet or Internet. Information update and administration can be done on any of these devices. This simplifies the administration work especially for companies with offices in many remote locations.



iGuard Technical Specification

| | | |
|--|---|---------------------------|
| | SC / FSC | SuperMaster |
| 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 | 32MB |
| 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 | 16 x 2 LCD with Backlight | 16 x 2 LCD with Backlight |
| LCD Multi-Lingual | Yes | Yes |
| 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 | < 1 sec. | n/a |
| Verification Time | < 1 sec. | n/a |
| False Rejection Rate | < 1 % | n/a |
| False Acceptance Rate | < 0.01% | n/a |
| Automatch Count | 30 | n/a |
| Network Protocol | TCP/IP, HTTP | |
| Network Interface | Ethernet (10-Base T) | Ethernet (100-Base T) |
| Other Interface | Wiegand (Output Only) | |
| 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(D) x 61(H) |
| Certification |  | Pending |

iGuard Live Demo – <http://78.4.174.253>