

**FAS Running on Windows 2000 / XP**  
**FINGERPRINT AUTHENTICATION SERVER**

*True single sign-on working environment*



**Other File/Application Servers**

- Windows 2000/2003 Server
- Linux Samba, Novell e-directory
- Lotus Domino ... among others.

**Fin'Lock FS2\* (in network mode)**

1. Finger Authentication by FAS
2. Access Control by FAS
3. Access LOG is kept at FAS

**FAS Web Admin Client**  
**FS80 Fingerprint Scanner**

1. Enroll Users and Fingers
2. Admin of FAS and FS2\*
3. Web-Based (http) Interface
4. User and Access LOG Management
5. Logon Profile Management / Other Servers

**Client Workstation - Win2000/XP**  
**FS80 Fingerprint Scanner**

1. Send fingerprint to FAS
2. FAS authenticates it and returns result
3. Web-Based (http) Interface
4. If there is a match, the client logon to specific server

**System Requirements:**

- MS Windows 2000/XP/2003
- MS Windows Vista
- P4 2.4G processor or higher
- 512MB RAM minimum
- 200MB hard disk space min
- USB port
- CDRROM drive

- REMOTE ACCESS
- CROSS PLATFORM
- EASY OF USE
- HIGH-SPEED
- PC - CONNECT

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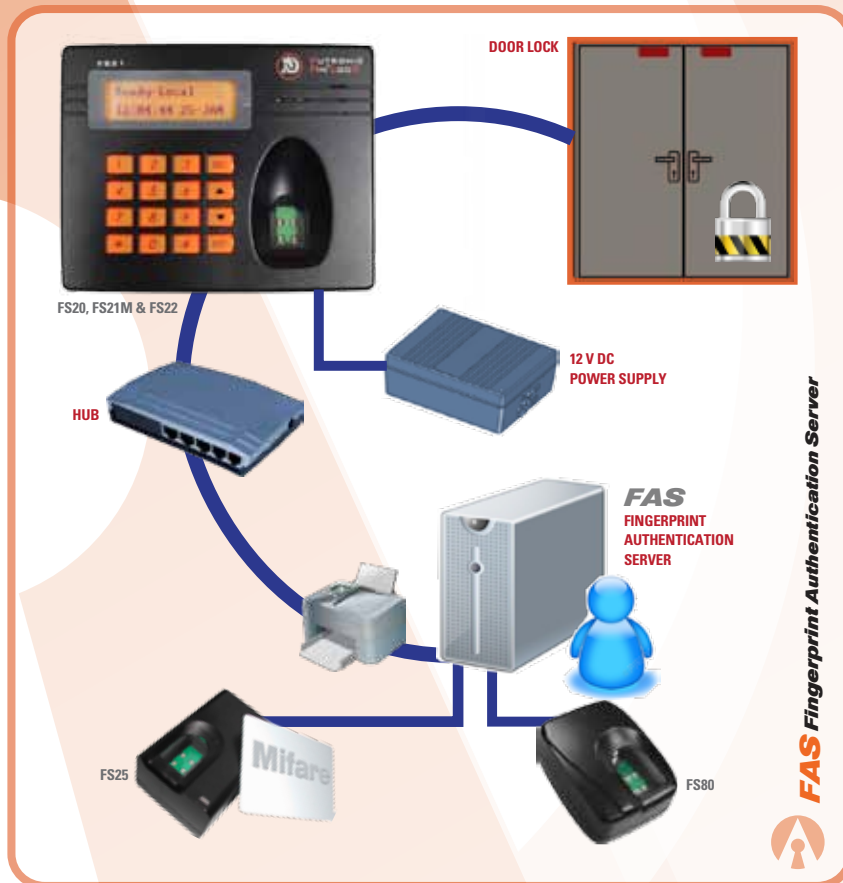
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# FAS Fingerprint Authentication Server

FAS is a control program via LAN or Internet for our Biometrics series FS20, FS21M and FS22. With proper network settings, our Biometric series can be installed at different physical locations while being controlled by one FAS in a central location.

User data (including fingerprints) and access logs can be transferred between FAS and every individual FinLock under the control of the System Administrator.



FAS can control the access permissions and denials of a particular user on every connected Fin'Lock.  
**No training required - the average person can use FAS.**





**The communication between FAS and the Fin'Lock is encrypted. Moreover, it is not necessary for the System Administrator and the PC with FAS installed on it, to be at the same place.**

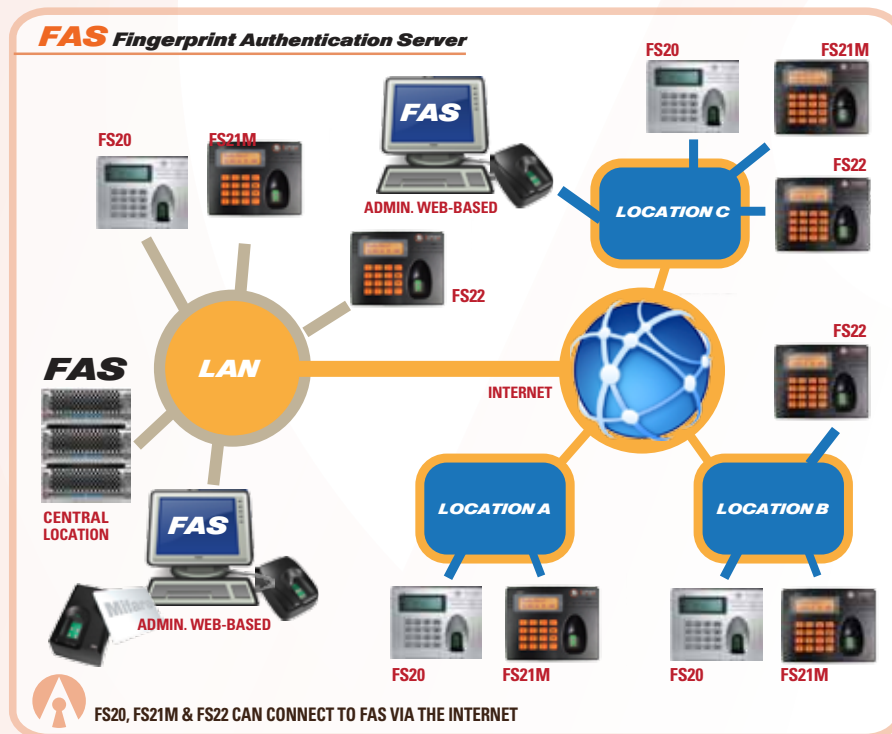
FAS is proprietary software running on Windows2000/XP/Vista for user and finger database management and access and attendance control. It runs on the PC as a background service with a web-based user interface, which can be accessed by using standard Windows Internet Explorer (IE) on any PC connected to LAN or Internet.

FAS administration can be done on any PC connected to LAN or Internet by using standard Windows Internet Explorer (IE).

FAS and the Biometric Series together, provide a complete fingerprint access and Time and Attendance control solution that makes remote control over Internet a very simple task.

Users and fingers can be registered to FAS by using the FS80 USB2.0 fingerprint scanner. It can receive an authentication request from any, FS20, FS21M and FS22, connected through LAN/Internet and then return the authentication result.

**FAS can issue Mifare cards that can access FS21M and FS22 using FS25 USB2.0 Fingerprint Mifare Card Reader/Writer.**



## Authentication procedure

- Freshly captured fingerprint is sent from any Fin'Lock to the FAS.
- Upon receipt, FAS will match this to the data base of pre-registered fingerprints and return the result (match or no match) back to the Fin'Lock.
- The Fin'Lock will take appropriate action (access or no access) according to the returned result from FAS.
- A successful "match" is logged in FAS as an event: Date / Time / Matched user ID Fin'Lock ID – which Fin'Lock sent the fingerprint.

## Main Features

- FAS can match fingerprints sent from all connected Biometric products within the range with its own user/finger database and return the result to the particular Fin'Lock.
- Fingerprint recognition accuracy: FAR -10<sup>-6</sup>, FRR -10<sup>-2</sup>, through LAN or Internet to form a cluster for large scale access control application.
- Once a user registers finger(s) in the FAS, the finger(s) can be used for both door access (physical access) and computer logon (logical access).
- User/finger can be registered to FAS by using standard FS25, FS88, FS90 + FS80. Each user can register up to 3 fingers.
- It can issue Mifare cards for accessing FS21M and FS22 using FS25 USB2.0 Fingerprint Mifare Card Reader/Writer.
- All user attributes are editable by a web-based user interface through Internet Explorer (IE) from any PC in LAN or Internet.
- Use MS-SQL 2005 Express for User/Finger and Access Log Database. User/Finger database can be imported and exported.
- User information (without fingerprint data) can also be imported and exported. User/Finger database can be transferred between FAS and all of the Biometric series.
- Supports up to a maximum of 99 user groups for flexible Time and Attendance control reports and access permission/denial settings.
- Access Log and Time and Attendance reports in FAS can be exported to Excel and Plain Text format.
- **Supports 3 different Time and Attendance reports (in/out setting) options for each user group:**  
*First and Last in 24 hours | First in 24 hours | In/Out By Sessions - session can be defined across mid-night.*
- **Access permission/denial setting that can be defined:**  
*For each Fin'Lock | Per user or per user group | For a period of days or days in every week (for example, no access for all on Sat & Sun).*
- **Single Sign-On Ready:**  
Besides handling physical access control as described above, FAS is also ready for logical access control. For any workstation in LAN, with specific logon client software and a FS80 USB2.0 fingerprint scanner connected, it can scan the user's fingerprint and send it to the FAS for authentication.

If it is matched, this user will logon to a specific file and application server accordingly. Users and fingers can be registered to FAS by using the FS80 USB2.0 fingerprint scanner.