



WAC Fin' Lock

High Security Fingerprint Access Control

With high resolution optical system & latest biometric technology, **WAC Fin' Lock** Fingerprint Access Control System provides enterprises a secured but convenient access and attendance control solution. It supports MiFare card (a contactless smart card) so that any combination of fingerprint, MiFare card and PIN can be used for access and attendance control. If necessary, fingerprint can also be stored in MiFare card to eliminate any possible privacy issue.

WAC Fin' Lock can operate in both Local and Network mode. With standard Ethernet interface, **WAC Fin' Locks** can be connected as a cluster in LAN under the control of a single Fingerprint Authentication Server (FAS) which is a proprietary software running on Windows 2000/XP.

In network mode, fingerprints can be stored and recognized in the FAS which can handle unlimited number of fingerprints. In local mode, each **WAC Fin' Lock** can store up to 3,000 fingerprints itself and can be used as a standalone access and attendance control device.

Specification

- Fingerprint image resolution: 320x480 pixel,500DPI
- Light source: 4 Infra Red LEDs
- Finger scanning window size: 16mm x 24mm
- Fingerprint recognition accuracy: FAR= 1:1,000,000 FRR= 1:100
- 122x32 dot matrix LCD with backlight that supports English character
- User input & prompt: 16 keys keypad with backlight, Buzzer, red and green LED
- MiFare card sensing range: 30mm.
- Interface to PC: Ethernet
- With lithium battery powered Real Time Clock
- Operating temperature: -10 to +55 Degrees
- Dimension(mm): 140W x 110H x 41.5D



Features

- **WAC Fin' Lock** supports proprietary Live Finger Detection(LFD). If this function is activated, only live fingers can be used to access and **WAC Fin' Lock** will not capture the image from fake fingers. So fake fingers made from silicone and rubber can't be used to access.
- With MiFare card reader and writer. That is, all **WAC Fin' Lock** can be used to issue MiFare card for users.
- Six access control methods to meet different application needs:
 - Fingerprint only(1-to-N matching)
 - ID+ Fingerprint(1-to-1 matching)
 - MiFare card+Fingerprint(1-to-1 matching)
 - MiFare card+Fingerprint stored on card(1-to-1 matching)
 - MiFare card+PIN
 - MiFare card only
- Each user can register up to 3 fingerprints
- User/Finger administration, add, delete, edit, etc, can be done in both **WAC Fin' Lock** and FAS/PC
- User/Finger database can be synchronized between **WAC Fin' Lock** and FAS/PC via LAN
- Can operate in local mode or network mode

Stand alone mode

- WAC FIN LOCK has 16M flash memory, each **WAC Fin' Lock** can store up to 3,000 fingerprints (in standard mode) or store up to 800,000 access log records.
- Fingerprint recognition is done on **WAC Fin' Lock** (input finger is matched to database stored in **WAC Fin' Lock**). If using the MiFare card without fingerprint, the user authentication is also done locally.
- Access Log in **WAC Fin' Lock** can be sent to FAS via LAN and then exported as Excel or text format

Network mode

- Fingerprint recognition is done on FAS(input finger is matched to database stored in FAS)
- If using the MiFare card without fingerprint, the user authentication is also done in FAS.
- Access log is stored in FAS which can store unlimited number of access log records.
- Access Log in FAS can be exported as Excel or text format
- A maximum of 99 **WAC Fin' Locks** can be connected to FAS to form a cluster for large-scale access control application
- If LAN connection is accidentally broken, all **WAC Fin' Locks** will switch to operate in local mode automatically

Fingerprint Authentication Server (FAS):

- Proprietary software user/ finger and access log management and **WAC Fin' Lock** control.
- Running on Windows 2000/XP
- It can match fingerprints sent from all connected **WAC Fin' Lock** with its own user/ finger database and then send the result back to the particular **WAC Fin' Lock**
- User/ Finger can be registered to FAS by using standard WFS80 USB 2.0 Fingerprint scanner
- User/ Finger database can be synchronized between FAS and all **WAC Fin' Locks** in LAN.
- The access log in **WAC Fin' Lock** can be uploaded to FAS for further processing.
- Access Log in FAS can be exported in Excel and Plain text format