

# TA4 Fingerprint time attendance package

**SOYAL**

Access Control System

Date: 01 May 2009, Revision: V4

## Description

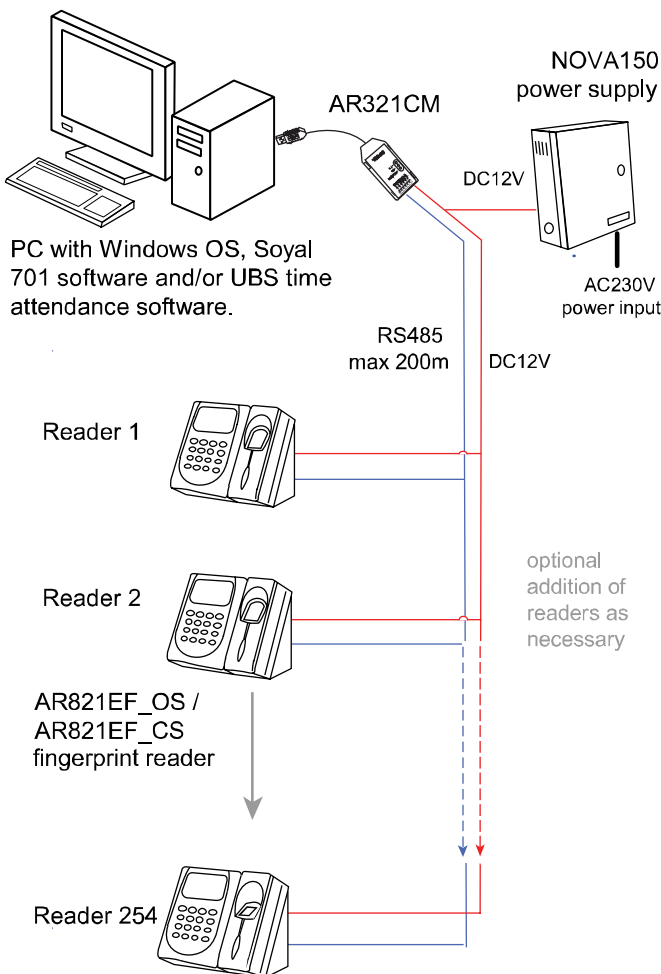
TA4 is a high performance fingerprint time attendance system to effectively solve buddy-punching problem. User can add more readers as necessary (max 254). More entrances are necessary to distribute the traffic.

Each employee will register 2 fingerprint records. Employee is required to scan their finger whenever they start or finish their duty – does NOT require any proximity card. A beep sound and LCD display "Successful" upon identity confirmation. The employee name will also be displayed as a visual confirmation. A double beep sound and LCD display "Invalid card" if there is any error. LCD automatically displays current work duty according to the defined time scheduled.

Reader also supports proximity card in case user has a fingerprint problem due to injury or fingerprint pattern too weak etc... LCD screen can be programmed to display any text or company name for a more customized solution.

Only valid time attendance data from all readers will be sent to the PC for time attendance function provided by the software. Access raw data can be exported out as text file for more advanced manipulation from third party time attendance software.

## Installation Diagram



PC with Windows OS, Soyal 701 software and/or UBS time attendance software.

Reader 1

Reader 2

AR821EF\_OS /  
AR821EF\_CS  
fingerprint reader

Reader 254

NOVA150  
power supply

DC12V

AC230V  
power input

DC12V

RS485  
max 200m

optional  
addition of  
readers as  
necessary

### Caution:

DO NOT install reader back-to-back to avoid interference. Suggest reader to be away from each other 12" to achieve maximum reading range.

## Feature

- Ultra fast 970 msec response time to avoid long queue when work starts.
- More user friendly  $\pm 45^\circ$  orientation tolerance.
- 4500 fingerprint templates, 10,000 card users.
- Each user can enroll two fingerprints.
- 120 holidays, 63 time zones.
- Runs on backup battery during power failure (max 11000 memory)
- Programming from software or keypad
- High end optical scanner.
- Low FRR 0.01% for higher accuracy.
- Expiry date for first 5000 user.

## Ordering Information

Ordering code: TA4

Qty	Equipment
1 pcs	SOYAL AR821EF_OS or AR821EF_CS fingerprint reader
1 pcs	NOVA 150 power supply with backup battery

## Upgrade Ideas

- Add AR321CM (convert RS485 to USB converter, come with software) for PC software management.
- Add a SP3 to protect readers' power and data line against lightning strike damage.
- Multiple TA4 can be linked together for multiple clocking stations.
- Additional NOVA150 power supply might need to be added if more than 3 readers are used or the wiring distance is too far away.

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