

Redefine Security



## R2&R2i

Complete  
Door Access  
& Time  
Attendance  
System

FingerTec® R2 redefines security by empowering people's biological traits to enhancing security in their daily lives. Biometrics technology proves real identity and by incorporating fingerprint technology and card system, FingerTec® R2 provides its users with absolute comfort and convenience every time.

FingerTec® R2 and R2i are the latest complete fingerprint door access and time attendance system. FingerTec® R2, embedded with 8M-Flash memory, works as a master reader keeping all information and transactions of users intact in the reader and FingerTec® R2i works as a slave reader to read fingerprint. Data from the master readers are accessible through the powerful FingerTec software, TCMS V2. With combination of FingerTec® R2 and R2i, both entrances and exits are controlled by secured biometrics key.

FingerTec® R2 offers the most commonly used communication protocols, TCP/IP for data transfer and it is equipped with an additional USB as backup in an event of connection breakdown. The FingerTec® R2 series also work with standard alarm system to give warning during break in, door ajar or unauthorized dismantling of readers.

The powerful TCMS V2 software is bundled with every purchase of FingerTec® R2. It runs on Windows platform for reader and data management, as well as for easy and presentable reporting. FingerTec® R2 readers run on Linux platform, providing flexibility to integrate firmware and performing customized functions. Complimentary Biobridge SDK is also available for integration with third party software.

## FEATURES & BENEFITS

### TIME ATTENDANCE

- To eliminate "buddy-punching" occurrences.
- To collect clocking data systematically
- To manage data fast and effective via software
- To provide ease of use with combination of fingerprints, password and RFID/MIFARE/HID cards

### ACCESS CONTROL

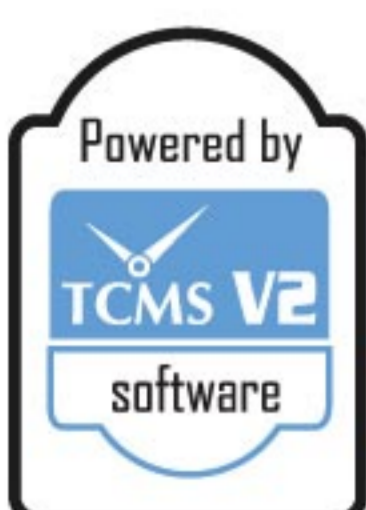
- To curb unauthorized access
- To eliminate tail-gating incident
- To process a complete In/Out record.
- To monitor staff's movement at any time.
- To control staff's accessibility via time zone settings
- To provide extra security with combinations of fingerprint, password and cards.
- To integrate with door lock system easily (DC12V 3A EM Output).

### EXTRA FEATURES

- Workcode is available to allow users to input clocking reasons.
- Short message display on screen to broadcast company information to users.
- Private message short message display intended for particular users.
- Local language greetings and display available.

### CONNECTIVITY

- 1 wire (USB and RS232) to connect R2 and R2i easily
- TCP/IP, RS232 and RS485 to connect to PC.
- USB port available to ease data transfer
- Multi-reader managed by powerful TCMS V2.



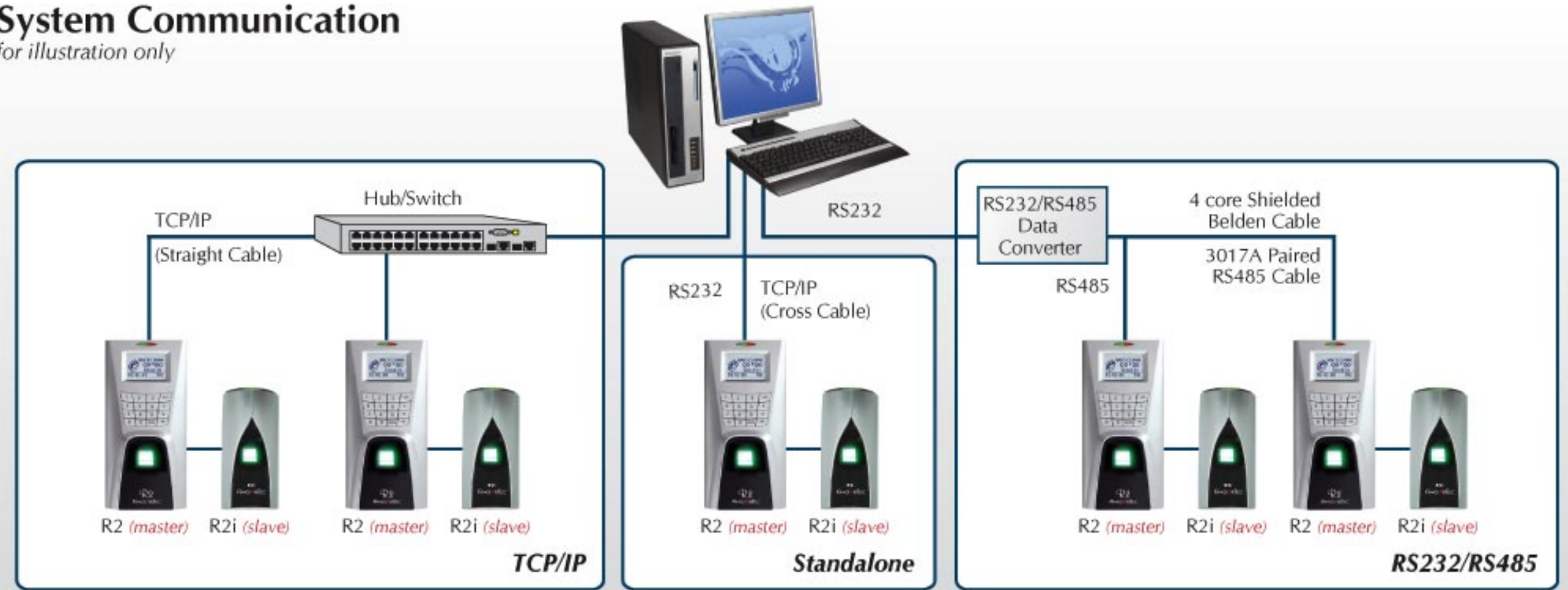


One finger solves it all

## LAYOUT PLAN

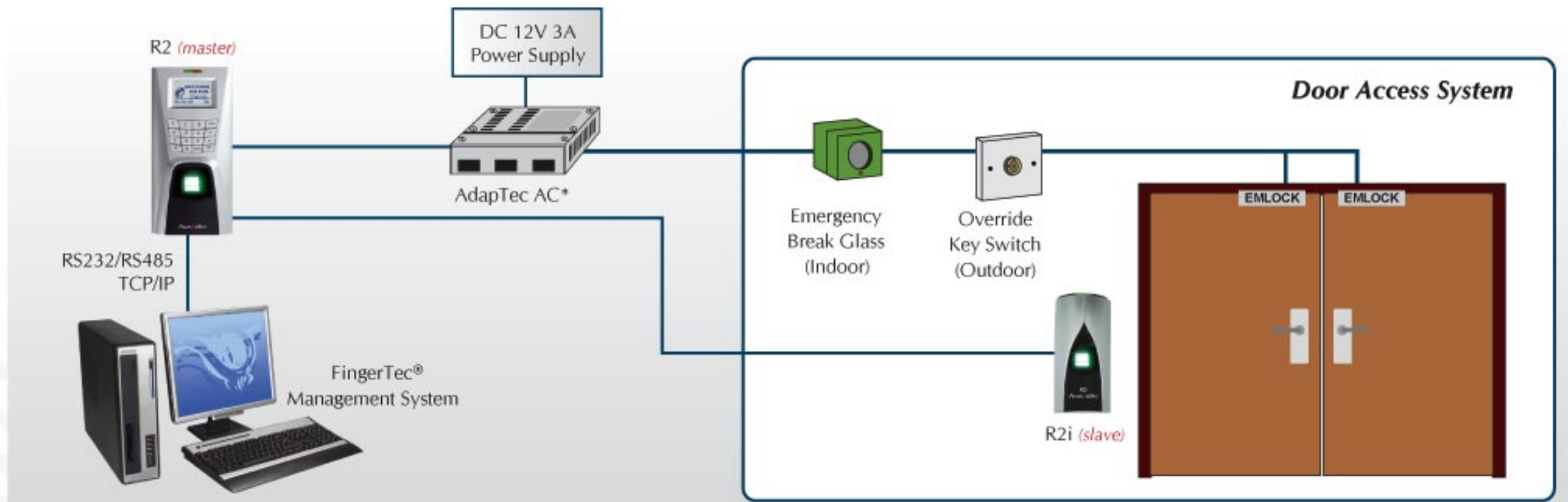
### System Communication

for illustration only



### Installation Diagram

for illustration only \*Optional for IN-OUT system



## SPECIFICATIONS

MODEL	R2	R2i
<b>SURFACE FINISHING</b>	Acrylonitrile Butadiene Styrene (ABS)	
<b>TYPE OF SCANNER</b>	Optical (default) or UPEK TCSI (optional)	
<b>DIMENSION (L X W X H), mm</b>	94 x 50 x 189	64 x 42 x 135
<b>STORAGE</b>		
• Fingerprint templates	3000	N/A
• Transaction	120000	N/A
<b>ENROLLMENT &amp; VERIFICATION</b>		
• Methods	Fingerprint (1:1, 1:N), Password & Card	Fingerprint & Card
• Recommended fingerprint per user ID	2	N/A
• Fingerprint placement	Any angle	
• Verification time (sec)	< 1	< 1.5
• FAR (%)	< 0.0001	N/A
• FRR (%)	< 1	N/A
<b>CARD TECHNOLOGY</b>		
• RFID: 64-bits, 125kHz	Yes	
• MIFARE: MFIS50/S70, 13.56MHz	Made to order	
• HID: HID 1326, 26-bits, 125kHz	Made to order	
<b>COMMUNICATIONS</b>		
• Method	TCP/IP, RS232, RS485, USB flash disk	Direct communicate with master reader
• Baud rates	9600, 19200, 38400, 57600, 115200	N/A
• Wiegand	26-bits input/output	N/A
<b>OPERATING ENVIRONMENT</b>		
• Temperature (°C)	0 ~ 45	
• Humidity (%)	20 ~ 80	
• Power input	DC 12V 3A	
<b>TIME ATTENDANCE</b>		
• Work Codes	Yes	N/A
<b>MULTIMEDIA</b>		
• Greeting voice	Yes	N/A
• Short messaging	Yes	N/A
<b>ACCESS CONTROL</b>		
• EM lock driving output	DC 12V 3A / Relay output	N/A
• Alarm output	NO / NC	N/A
<b>GREETING VOICE / DISPLAY LANGUAGE (READER)</b>	English (Standard) / (Upon Request - Arabic / Indonesian / Spanish / Turkish / Thai / Polish / Korea / Romanian / Portuguese / Dutch / Chinese / French / Slovenia / Russian / Greek / Hebrew / Farsi / Italian / Vietnamese / Czech / Bulgarian)	N/A
<b>SOFTWARE LANGUAGE</b>	English, Arabic, Indonesian, Spanish, Chinese, Thai, Vietnamese, French, Farsi, Italian, Russian, Malay, Portuguese, German	

\*N/A: Not applicable



### Packaging

- **R2**  
Dimension (mm) : 300(L) x 90(W) x 225(H)  
Weight : 2.5kg (with AdapTec AC)  
1.5kg (without AdapTec AC)
- **R2i**  
Dimension (mm) : 80(L) x 50(W) x 200(H)  
Weight : 0.30kg

Authorized Reseller:



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