FINGERTEC

Redefine Security
with FingerTec R2 Series

Fingerprint | **Card** | **Password** | **TCP/IP** | **RS232/RS485** | **USB**
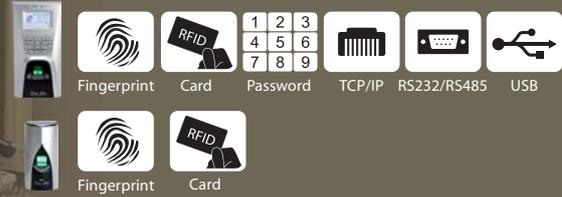
Fingerprint | **Card**

FingerTec R2 empowers biological traits to enhance security in your daily life, as biometrics technology is a proof of real identity. Dubbed as FingerTec's bestselling terminal for access control, the R2 series is the ideal fingerprint system for those looking for an affordable security control with practicality. With the combination of R2 and R2i, both entrances and exits are controlled by secured biometrics keys, providing users with absolute comfort. FingerTec R2 series also offers the most commonly used communication protocols, and is equipped with an additional USB port for easy data transfer.

FingerTec R2 Series comes with the powerful TCMS V2 software for easy data management and presentable reporting. On top of that, FingerTec R2 terminals run on a Linux platform, providing flexibility to integrate firmware and performing customized functions. Complimentary FingerTec BioBridge SDK is also available upon request for integration with third party software.

FingerTec R2 simply redefines security with its made-easy solution.

R2   R2i

Powered by
TCMS V2 software

Product
Self-Guide DVD
INSIDE

2 YEARS
LIMITED WARRANTY
28 Months for Resellers

👍 Like

A Variety of Verification Methods
Although it's recommended that you use fingerprint verification for more authentic attendance and access control functions, the terminal also offers options for you to verify using a card or password, or even a combination of the two!
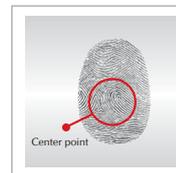
Precise Recognition
The R2 uses minutiae matching technology that ensures only enrolled users are granted access.

Center point

Complete Access Solution
Get the R2i slave exit reader to compliment your R2 access control terminal for a full door-in door-out solution!

Easy Data Management
All you need is a USB flash disk to transfer transaction logs to your computer. It is that easy!

Manage Your Data Easily
Administration is easy with the bundled software! FingerTec's TCMS software allows you to generate reports, monitor attendance and integrate FingerTec with a third party system.

TCMS V2 SOFTWARE

Built-In Alarm
Increase the security at your workplace by installing an external alarm, and be alerted during unexpected scenarios such as break-ins and fire emergencies.
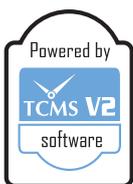
Short Message Display
Alert your staff by personalizing a short message to be displayed at the terminal when they verify.

Henry, please visit the HR Department

Workcodes
Let your staff experience more independence by reporting their whereabouts via our workcodes feature.

LAYOUT PLAN

System Communication
for illustration only

Networked System + TCMS V2 Software

Hub/Switch

TCP/IP (Straight Cable)

RS232

RS232 TCP/IP (Cross Cable)

RS232/RS485 Data Converter

4 core Shielded Belden Cable

RS485

3017A Paired RS485 Cable

R2 (master) R2i (slave) R2 (master) R2i (slave) — **TCP/IP**

R2 (master) R2i (slave) — **Standalone**

R2 (master) R2i (slave) R2 (master) R2i (slave) — **RS232/RS485**

Installation Diagram

Power cable and door unlock signal
Door lock system

AC110/240V Power Input

AdapTec Plus

DC12V Rechargeable Battery

ABOVE CEILING

CEILING

EM Lock

R2

ON-OFF Keyswitch

OUTDOOR

Emergency Break Glass

R2i

INDOOR

SPECIFICATIONS

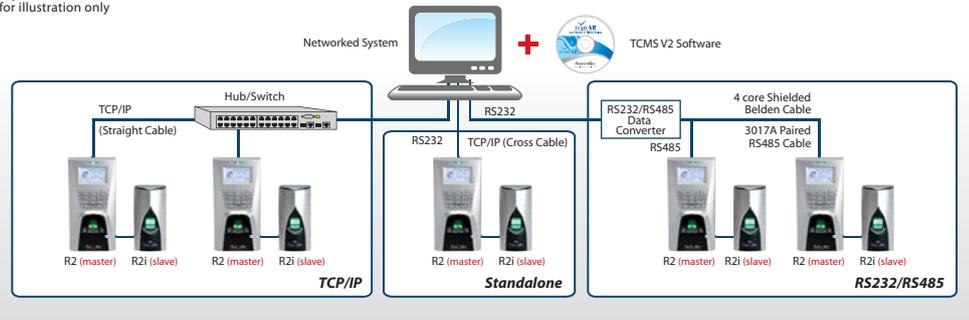| MODEL	R2	R2i
SURFACE FINISHING	Acrylonitrile Butadiene Styrene (ABS)	
TYPE OF SCANNER	Optical (default) or UPEK TCSI (optional)	
PROCESSOR	400 MHz microprocessor	Fingerprint/Card capturing station
MEMORY	8MB flash memory	
ALGORITHM	BioBridge VX 9.0	
PRODUCT DIMENSION (L X W X H), mm	94 x 50 x 189	64 x 42 x 135
STORAGE		
• Fingerprint templates	3000	Storage in master terminal
• Transaction	120000	
ENROLLMENT & VERIFICATION		
• Methods	Fingerprint (1:1, 1:N), Card & Password	Fingerprint (1:1, 1:N) & Card
• Recommended fingerprint per user ID	2	Storage in master terminal
• Fingerprint placement	Any angle	
• Verification time (sec)	< 1	Fingerprint/Card capturing station
• FAR (%)	< 0.0001	
• FRR (%)	< 1	
CARD TECHNOLOGY		
• RFID: 64-bit, 125kHz	Yes	
• MIFARE: MFIS50/S70, 13.56MHz	Made to order	
• HID: HID 1326, 26-bit, 125kHz	Made to order	
COMMUNICATIONS		
• Method	TCP/IP, RS232, RS485, USB flash disk	Communicate directly with master terminal
• Baud rates	9600, 19200, 38400, 57600, 115200	N/A
• Wiegand	26-bit input/output	N/A
OPERATING ENVIRONMENT		
• Temperature (°C)	0 ~ 45	
• Humidity (%)	20 ~ 80	
• Power input	DC 12V 3A	DC 12V 1A
TIME ATTENDANCE		
• Work Codes	Yes	N/A
MULTIMEDIA		
• Voice	Yes	N/A
• Short messaging	Yes	N/A
ACCESS CONTROL		
• EM lock driving output	DC 12V 3A / Relay output	Manage by master
• Alarm output	NO / NC	
• Antipassback	Yes	
VOICE / DISPLAY LANGUAGE (TERMINAL)	English (Standard) / Other languages are available upon request.	N/A
SOFTWARE LANGUAGE	English, Arabic, Malay, Indonesian, Chinese (Traditional), Chinese (Simplified), Thai, Spanish, Portuguese (Brazil), Polish, Vietnamese, French, Russian, Persian, German, Italian, Turkish	

*N/A: Not applicable

Packaging

1 R2
Dimension (mm) : 245 (L) x 90 (W) x 225 (H)
Weight : 2.3 kg *(with AdapTec)*
: 1.24 kg *(without AdapTec)*

2 R2 & R2i
Dimension (mm) : 245 (L) x 90 (W) x 225 (H)
Weight : 1.4 kg

3 R2i
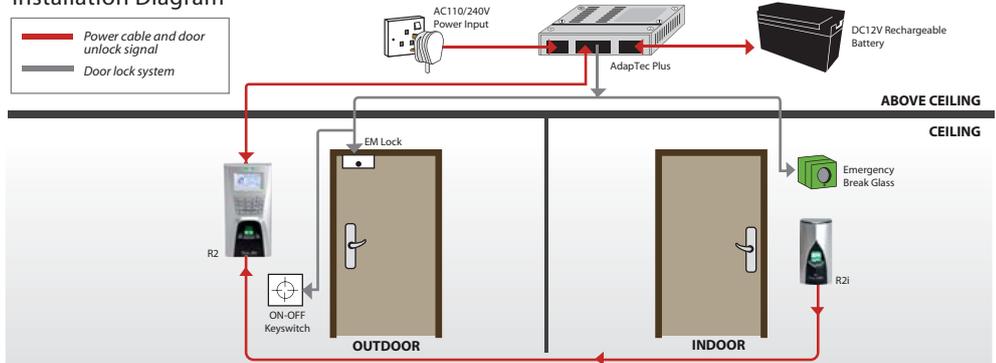Dimension (mm) : 80 (L) x 50 (W) x 200 (H)
Weight : 200 g

Authorized Reseller:

FING∈RTEC
w w w . f i n g e r t e c . c o m

CE FC RoHS MADE IN MALAYSIA FOR THE WORLD

042012