FING@RTEC.

Redefine Security

Door Access & Time Attendance System

FingerTec® M2/R2

It is time to redefine security with the latest models of fingerprint Door Access & Time Attendance System, FingerTec® M2 and FingerTec® R2. Incorporating biometrics feature and RFID card system* as verification options, the newest FingerTec® readers are providing users with absolute comfort and convenience in every use. Additionally, FingerTec® M2/R2 is also providing Wiegand Input/Output communication, to ease integration with third party card readers or door controller.

On top of the standard communication protocols offered such as TCP/IP and RS232/RS485, these latest models are also USB Flash Disk enabled, an important feature for data transfer in case of connection breakdown. For a total security feature, FingerTec® M2 and R2 readers are presented with the standards for alarm system, NO and NC, and in an event of break in, door ajar or illegal dismantle of readers, signal from FingerTec® M2/R2 can work with alarm system.
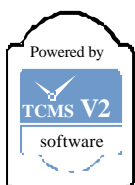
Built with sturdier materials, FingerTec® M2 (Zync Alloy - metal casing)   and R2 (Acrylonitrile Butadiene Stylene - plastic casing) readers are offering solid and robust system which could stand weather effects for a longer period of time.

FingerTec® M2 and R2 readers are bundled with powerful TCMS V2 software that runs on Windows platform for readers and data management as well as for easy and presentable reporting. FingerTec® M2 and 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.
* RFID card feature is available in FingerTec® R2 model only
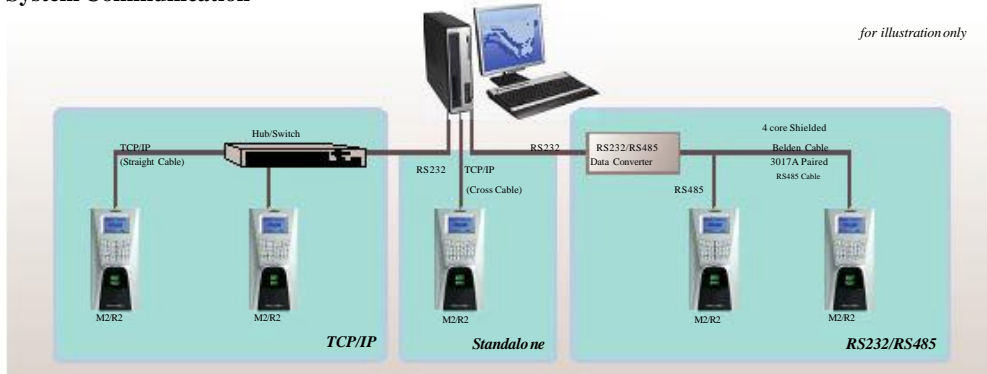
[FEATURES & BENEFITS]

- **Extra Access Control Functions** - FingerTec® M2 and R2 are equipped with standard Wiegand 26-bit input/ output feature and NO & NC alarm feature for better door access control solution.
- **RFID Card for Time Attendance** - FingerTec® R2 has an RFID Card function which is a sought after function for users who are looking to replace card system to fingerprint system, particularly for time attendance purpose.
- **Robust Casing Material** - FingerTec® M2 and R2 are built with robust materials for better finishing and higher resistance.
- **USB Drive Available** - Both readers offer USB drive function to enable data transfer in an event of communication failure between PC and readers.
- **Various Language Selection** - FingerTec® M2 and R2 offer various languages for user to choose from for hardware display, voice greeting and software display.
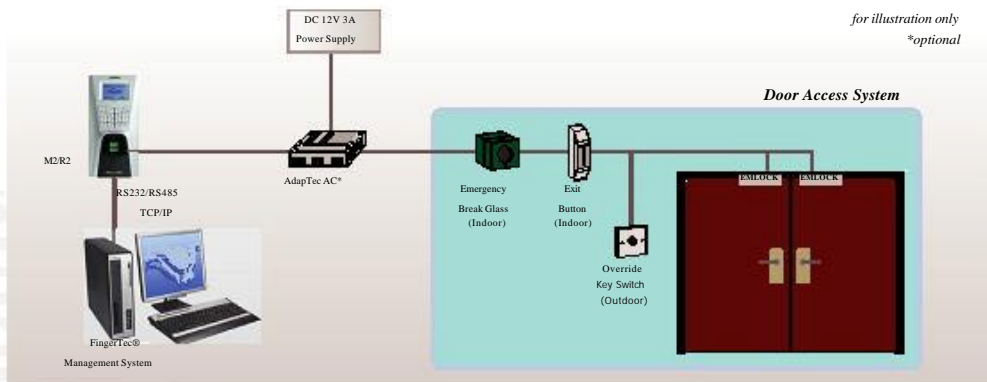
Powered by

TCMS V2
software

HARDWARE
& TCMS V2
Self-Guide VCD
INSIDE

[LAYOUT PLAN]

System Communication

for illustration only

TCP/IP (Straight Cable) — Hub/Switch — RS232 — TCP/IP (Cross Cable) — RS232 — RS232/RS485 Data Converter — 4 core Shielded Belden Cable 3017A Paired RS485 Cable — RS485

M2/R2   M2/R2   M2/R2   M2/R2   M2/R2

TCP/IP   **Standalone**   **RS232/RS485**

Installation Diagram

DC 12V 3A Power Supply

for illustration only
*optional

Door Access System

M2/R2

RS232/RS485
TCP/IP

AdapTec AC*

Emergency Break Glass (Indoor)

Exit Button (Indoor)

Override Key Switch (Outdoor)

EM LOCK   EM LOCK

FingerTec® Management System

[SPECIFICATIONS]

Casing material	M2 - Zinc Alloy,
	R2 - Acrylonitrile Butadiene Styrene (ABS)
Dimension (L x W x H) mm	46 x 189 x 93
Verification methods	M2 - fingerprint (1:1, 1:N) & Password,
	R2 - fingerprint (1:1, 1:N), Password & RFID Card
Identification time, sec	<2
Recommended templates per user ID 2 fingerprint templates	
Fingerprint placement	Any angle
FAR (%)	0.0001%
FRR (%)	0.01%
Transaction storage	50,000/120,000
Fingerprint templates capacity	1,600/3,000
Communication methods	TCP/IP, RS232, RS485, USB flash disk
Baud rates (bps)	115200
Wiegand input and output	Wiegand 26-bit input and output
Operating temperature (°C)	0 - 45
Operating humidity (%)	20~80
Operating voltage (V)	Idle:DC 12V 0.5A ; Max:DC 12V 4A
EM lock driving output (V)	DC 12V 3A
Alarm output	NO/NC
*Card type	EM RFID card, Code: 64 bits, Resonance Frequency: 125kHz
*Card operating temperature (°C)	-10~50
*Card reading distance (mm)	~50
Multimedia features	Individually short message display after users' verification
Greeting voice	English (Standard), *(Upon Request - Indonesian, Chinese, French, Russian, Italy, Thai, Spanish, Farsi & Arabic)*
Display language (Reader)	English (Standard), *(Upon Request - Indonesian, Chinese, Spanish, Thai, Farsi, Arabic & Portuguese)*
Software Language	English, Chinese, Indonesian, Thai, Vietnamese, German, Farsi, Arabic, Spanish, Russian, Malay & Portuguese

* FingerTec® R2 model only

M2/R2 Packaging
Dimension (mm): 280(L)x90(W)x240(H)
Weight: M2(1.5kg)/R2(1kg)

THE NEW ART OF DEFENCE

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Authorized Reseller:

CE FC