



## M2/R2 Redefine Security Door Access & Time Attendance System

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/MIFARE 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 have USB Flash Disk port, 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.

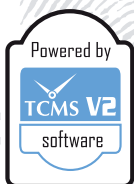
Built with sturdier materials, FingerTec® M2 (Zync Alloy - metal casing) and R2 (Acrylonitrile Butadiene Styrene - plastic casing) readers offer a solid and robust system which could stand weather effects for a longer period of time.

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/MIFARE card feature is available in FingerTec® R2 model only

### FEATURES & BENEFITS

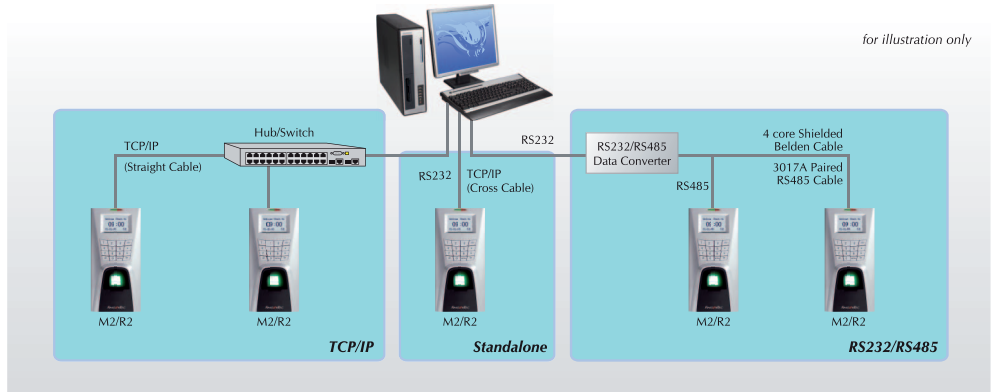
- ▶ **Extra Access Control Functions** - FingerTec® M2 and R2 are equipped with standard Wiegand 26-bit input/ output feature and NO & NC alarm feature for better door access control solution.
- ▶ **RFID/MIFARE Card for Time Attendance** - FingerTec® R2 has an RFID/MIFARE Card function which is a sought 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.



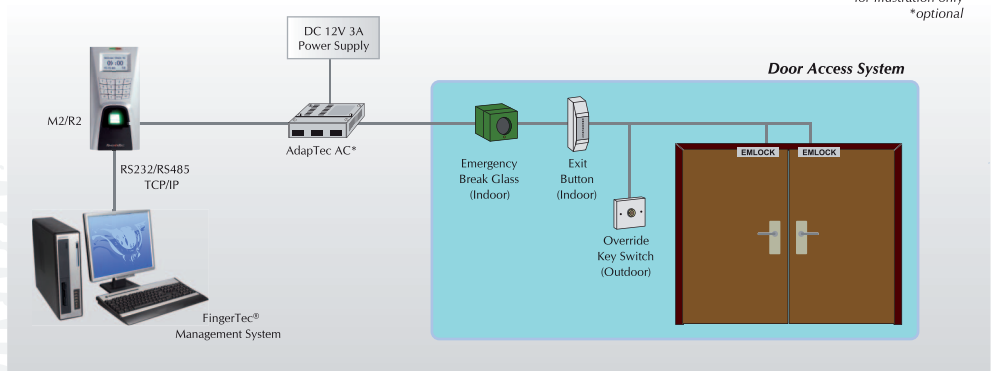
One finger solves it all

## LAYOUT PLAN

### System Communication



### Installation Diagram



## SPECIFICATIONS

Casing material	M2 - Zinc Alloy, R2 - Acrylonitrile Butadiene Styrene (ABS)
Dimension (L x H x W) mm	93 x 188 x 48
Verification methods	M2 - Fingerprint (1:1, 1:N) & Password R2 - Fingerprint (1:1, 1:N), Password & RFID / MIFARE / HID Card
Identification time (sec)	< 2
Recommended templates per user ID	2 fingerprint templates
Fingerprint placement (°C)	Any angle
FAR (%)	0.0001
FRR (%)	0.01
Transaction storage	120,000
Fingerprint templates capacity	3,000
Communication methods	TCP/IP, RS232, RS485, USB flash disk port
Baud rates (bps)	115200
Operating temperature (°C)	0 - 45
Operating humidity (%)	20 ~ 80
Operating voltage (V)	Idle: DC 12V 0.5A ; Max: DC 12V 4A
Wiegand input and output	26-bit
EM-Lock driving output	DC 12V 3A
Alarm output	NO/NC
*Card type	RFID : 64 bits, Resonance ( Frequency: 125 kHz ) MIFARE : S50 / S70, 13.56 MHz, 8K bit EEPROM memory HID : HID 1325, 26 bits, 125 kHz
Multimedia feature	Individual short message display after verification
Greeting voice / Display language (Reader)	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
Software language	English, Arabic, Indonesian, Spanish, Chinese, Thai, Vietnamese, French, Farsi, Italian, Russian, Malay, Portuguese, German

\* FingerTec® R2 model only

Authorized Reseller:



M2/R2 Packaging  
Dimension (mm): 300(L) x 225(H) x 87(W)  
Weight: M2 - 3.0kg (with AdapTec AC)  
2.0kg (without AdapTec AC)  
R2 - 2.5kg (with AdapTec AC)  
1.5kg (without AdapTec AC)



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