FINGERTEC

Stay Alert, Stay Safe!
with FingerTec H2b

Fingerprint	Card	TCP/IP	Bluetooth	USB

FingerTec H2b is an innovative biometric fingerprint reader for access control application. It is loaded with an advanced Biobridge fingerprint algorithm for reliability, precision and excellent biometrics matching speed.

Install FingerTec H2b standalone or connect it with a third party panel that supports 26-bit Wiegand format. With H2b, enroll users easily with administrator card for standalone installation and transfer fingerprint templates from ot her FingerTec devices to H2b through TCP/IP or RS485, if the connection is available.

FingerTec H2b supports Bluetooth communication in mobile App management, for access control, user information registration and device set ups.

Fast and Accurate Fingerprint Algorithm
One-touch-One-second recognition. Stores an impressive 1500 fingerprint templates, 10000 cards and 100000 transactions
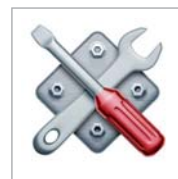
Complete Access Control Features
H2b has complete access control features interface for 3rd party device integration such as electric magnetic lock, door sensor, exit button, alarm and doorbell

USB Numeric Keypad for Command Input
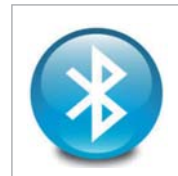Plug the keypad to H2b to enroll and delete users, or reset the terminal to its default settings

Fuss-Free Installation and Connectivity
H2b comes with Wiegand interface input & output and Network interface of TCP/IP or RS485

Easy Data Management
All you need is a USB flash disk to transfer transaction logs from H2b to your computer

Bluetooth Communication
Use Bluetooth to communicate easily with mobile app like i-Neighbour App and TimeTec Security App, for user information registration and setting up of devices

Built-In Alarm
Be vigilant and install external alarm with H2b, preparation for emergencies like break-ins, fire emergencies and etc.

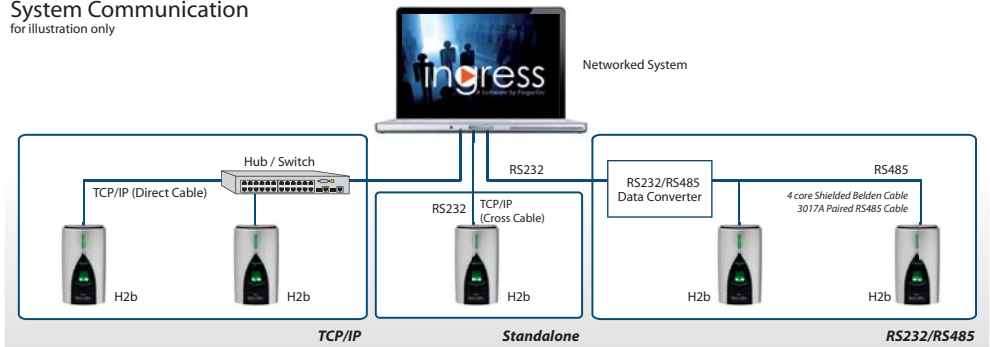**Simple Enrolment**
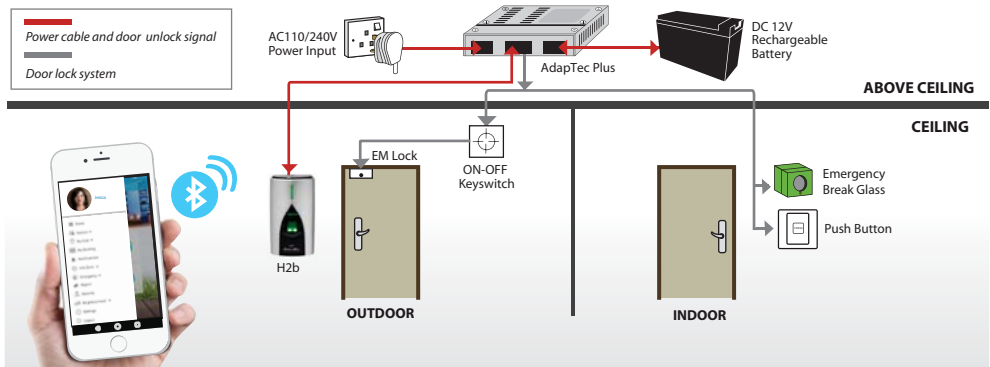Flash an admin card in front of FingerTec H2b and enroll away. User deletion is done the same way

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Powered by
ingress software

Product
Self-Guide DVD
INSIDE

3 YEARS
LIMITED WARRANTY
40 Months for Resellers

System Communication
for illustration only

Networked System

TCP/IP (Direct Cable)

Hub / Switch

RS232

RS232/RS485 Data Converter

RS485

4 core Shielded Belden Cable
3017A Paired RS485 Cable

RS232 TCP/IP (Cross Cable)

H2b | H2b | H2b | H2b | H2b

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

Installation Diagram

Power cable and door unlock signal

Door lock system

AC110/240V Power Input

AdapTec Plus

DC 12V Rechargeable Battery

ABOVE CEILING

CEILING

EM Lock

ON-OFF Keyswitch

Emergency Break Glass

Push Button

H2b

OUTDOOR | **INDOOR**

MODEL	H2b
SURFACE FINISHING	Acrylonitrile butadiene styrene (ABS)
TYPE OF SCANNER	Non coated optical scanner
MICROPROCESSOR	300 MHz
MEMORY	256 MB flash memory & 32 MB SDRAM
ALGORITHM	BioBridge VX 9.0 / VX 10.0
PRODUCT DIMENSION (L X W X H), mm	78 x 50 x 150
STORAGE	
• Fingerprint templates	1500
• Cards	10000
• Transactions	100000
ENROLLMENT & VERIFICATION	
• Methods	Fingerprint & card
• Recommended fingerprint per user ID	2
• Fingerprint placement	Any angle
• Verification time (sec)	< 1
• FAR (%)	< 0.0001
• FRR (%)	< 1
CARD TECHNOLOGY	
• RFID: 64-bit, 125kHz, RF output power (EN300-330)	Yes
• MIFARE: MFIS50/S70, 13.56MHz	Made to order
• HID: HID 1326, 26-bit, 125kHz	Made to order
COMMUNICATIONS	
• Method	TCP/IP, RS485, USB disk
• Baud rates	9600, 19200, 38400, 57600, 115200
• Wiegand	26-bit input / output
• Bluetooth	4.2
OPERATING ENVIRONMENT	
• Temperature (°C)	0 ~ 45
• Humidity (%)	20 ~ 80
• Power input	DC 12V 3A
MULTIMEDIA	
• Voice	Yes
ACCESS CONTROL	
• EM lock driving output	DC 12V 3A / relay output
• Alarm output	NO
• Anti passback	Yes
APP (ANDROID & IOS)	TimeTec Security, i-Neighbour
VOICE LANGUAGE (TERMINAL)	English (Standard), Arabic, Indonesian, Chinese Traditional / Simplified, Vietnamese, Spanish, Portuguese (Portugal), French, Persian. *Other languages are available upon request.*

NOTE: Specifications are subject to change.
Check **http://product.fingertec.com** for latest product information.

Authorized Reseller:

FINGERTEC
www.fingertec.com

CE FC RoHS MADE IN MALAYSIA FOR THE WORLD

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