



# H3 Small in size, big on functions











H3i is simply the most compact and independent electronic reader from FingerTec yet! This latest automated access control device is able to function without any additional software, making it the perfect stand-alone solution for small businesses and homes where there is no need for tracking attendance. On top of its stylish design and sleek layout, H3i is a master terminal that supports verification via fingerprints, card IDs, 4-digit passwords, or a combination of any two of the three methods. Installations are also a breeze and can be done almost anywhere because of H3i's convenient dimensions. Compact but still capable of doing almost everything a regular-sized biometrics device can, FingerTec H3i simply proves that size, yet again, does not matter.



# **Petite but Packs a Punch**

H3i may be small and slim, but it still has enough processing power to ensure quick verification times of less than one second and enough memory to store whopping 30,000 transactions!



# **Easy Installation**

H3i takes minimal effort to install because of the device's simplicity, and coupled with its compact size, can be easily placed in any location of your choice.



#### **Completely Stand-alone** Device

H3i can be used as a stand-alone device for simple access management, making it perfect as a cost-effective and absolutely no-hassle solution for your small business office or home.



#### Simple Management & **Enrollment**

The H3i's simple outlook is complimented with a simple management system. Just key in your administrator password to start enrolling or deleting data.



### **Adaptability for Added** Security

H3i is compatible with all 12VDC/ relay output electromagnetic locks and can also be connected to an NO alarm to provide added security to your space.



#### **Combine Your Verification** Methods

To further secure your space, H3i can accept six different combinations of fingerprint, card (either RFID or MiFARE) or password verification methods according to your preference.







#### **Clear-cut Notification of Events**

A buzzer and LEDs are built-in in H3i to provide clear audio and visual notifications during any events that may occur at the device.



#### Value for Money

Mix and match your FingerTec system with the Kadex family to give you more value for your money. The versatile family of readers will ensure the most cost-effective solution for your situation.

# **WEB LINK**





User Guide http://info.fingertec.com/h3i-3



# Packaging

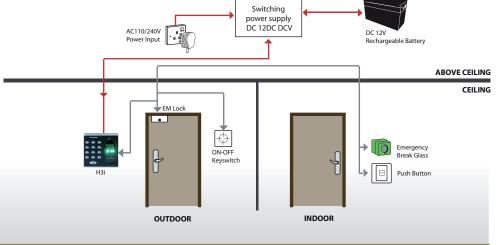
Dimension (mm) : 173 (L) x 60 (W) x 135 (H) Weight : 0.34 kg

Weight



# Installation Diagram

 Power cable and door unlock signal Door lock system



MODEL SURFACE FINISHING Acrylonitrile butadiene styrene (ABS) TYPE OF SCANNER Non coated optical scanner MICROPROCESSOR 400 MHz MEMORY 32 MB flash memory ALGORITHM BioBridge VX 10.0 PRODUCT DIMENSION (L X W X H), mm 88 x 25 x 88 STORAGE Fingerprint templates 200 Cards 500 Passwords 8 sets (max length 4-digit per password)  ENOLLMENT & VERIFICATION Methods Fingerprint (1:N), card & password Recommended fingerprint per user ID 1 Fingerprint placement Any angles Password length (digit) Max 4 Verification time (sec) 4.1 FAR (%) FAR (%) 4.0.0001 FAR (%) CARD TECHNOLOGY RFID: 64-bit, 125kHz MIFARE: MFSSO/S70, 13.56MHz MIFARE: MFSSO/S70, 13.56MHz MIFARE: MFSSO/S70, 13.56MHz DO CASS MIFARE (**) Power input DC 12V 3A ACCESS CONTROL EMBOLAGE MISSWORD FIND CARD YES BIOLOGY ONLY Password only Ves Fingerprint only Apssword Ves Fingerprint and password Ves Fingerprint and password Ves Fingerprint and password Ves Fingerprint and password Ves		SPECIFICATIONS
TYPE OF SCANNER MICROPROCESSOR A00 MHz MEMORY 32 MB flash memory ALGORITHM BioBridge VX 10.0 PRODUCT DIMENSION (L X W X H), mm 88 x 25 x 88  STORAGE Fingerprint templates 200 Cards 500 Passwords 8 sets (max length 4-digit per password) ENROLLMENT & VERIFICATION Methods Fingerprint (1:N), card & password Recommended fingerprint per user ID 1 Fingerprint placement Any angles Password length (digit) Max 4  Verification time (sec) FAR (%) CARD TECHNOLOGY RFID: 64-bit, 125kHz MIFARE: MFISSO/S70, 13.56MHz DPERATING ENVIRONMENT TEMPERATURE (**C) FUND OF AB  ACCESS CONTROL EM OC 12V / relay output Alarm output DC 12V / relay output Alarm output DC on Sessor Ves (MO/NC)  GROUP VERIFY TYPE Password only Yes Fingerprint (ard ) Aves Fingerprint (card / password) Yes	MODEL	H3i
MICROPROCESSOR 400 MHz  MEMORY 32 MB flash memory  ALGORITHM BIOBRIDGE VI 10.0  PRODUCT DIMENSION (L X W X H), mm 88 x 25 x 88  STORAGE  Fingerprint templates 200  Cards 500  Passwords 8 sets (max length 4-digit per password)  ENROLLMENT & VERIFICATION  Methods Fingerprint (1:N), card & password  Recommended fingerprint per user ID 1  Fingerprint placement Any angles  Password length (digit) Max 4  Verification time (sec) < 1  FAR (%) < 0.0001  FRR (%) < 1  CARD TECHNOLOGY  RFID: 64-bit, 125kHz Yes  MIFAR: MFISSO/S70, 13.56MHz Made to order  OPPERATING ENVIRONMENT  Temperature (*C) 0 - 45  Humidity (%) 20 ~ 80  Power input DC 12V 3A  ACCESS CONTROL  EMI lock driving output DC 12V / relay output  Alarm output NO  Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes  Fingerprint only Yes  Fingerprint (ard ) Agessword  Yes  Fingerprint (ard ) Agessword  Yes	SURFACE FINISHING	Acrylonitrile butadiene styrene (ABS)
MEMORY         32 MB flash memory           ALGORITHM         BioBridge VX 10.0           PRODUCT DIMENSION (L X W X H), mm         88 x 25 x 88           STORAGE         Fingerprint templates           Engogrint templates         200           Cards         500           Passwords         8 sets (max length 4-digit per password)           ENROLLMENT & VERIFICATION         Image: VERIFICATION           Methods         Fingerprint (1:N), card & password           Recommended fingerprint per user ID         1           Fingerprint placement         Any angles           Password length (digit)         Max 4           Verification time (sec)         < 1	TYPE OF SCANNER	Non coated optical scanner
ALGORITHM BioBridge VX 10.0  PRODUCT DIMENSION (L X W X H), mm 88 x 25 x 88  STORAGE  Fingerprint templates 200 Cards 500 Passwords 8 sets (max length 4-digit per password)  ENROLLMENT & VERIFICATION  Methods Fingerprint (1:N), card & password  Recommended fingerprint per user ID 1 Fingerprint placement Any angles Password length (digit) Max 4  Verification time (sec) < 1 FAR (%) < 0.0001 FRR (%) < 1  CARD TECHNOLOGY  REID: 64-bit, 125kHz Yes  MIFARE: MFIS50/S70, 13.56MHz Made to order  OPERATING ENVIRONMENT  Temperature (°C) 0 ~ 45 Humidity (%) 20 ~ 80 Power input DC 12V 3A  ACCESS CONTROL  EM lock driving output NO Door sensor Yes (NO/NC)  GROUVERIFY TYPE  Password only Yes Fingerprint oly Yes Fingerprint oly Yes Fingerprint oly Yes Fingerprint oly Yes Fingerprint (ard / password Yes	MICROPROCESSOR	400 MHz
PRODUCT DIMENSION (L X W X H), mm  88 x 25 x 88  STORAGE  Fingerprint templates  200  Cards  500  Passwords  8 sets (max length 4-digit per password)  ENROLLMENT & VERIFICATION  Methods  Fingerprint (1:N), card & password  Recommended fingerprint per user ID  1  Fingerprint placement  Any angles  Password length (digit)  Max 4  Verification time (sec)  <1  FAR (%)  <0.0001  FRR (%)  <1  CARD TECHNOLOGY  RFID: 64-bit, 125kHz  MiFARE: MFISSO/S70, 13.56MHz  Made to order  OPERATING ENVIRONMENT  Temperature (*C)  10 ~ 45  Humidity (%)  20 ~ 80  Power input  DC 12V 3A  ACCESS CONTROL  EM lock driving output  Alarm output  NO  Door sensor  Yes (NO/NC)  GROUP VERIFY TYPE  Password only  Yes  Card only  Yes  Fingerprint / card / password  Yes  Fingerprint / card / password  Yes  Fingerprint / card / password  Yes  Card and password  Yes  Card and password  Yes	MEMORY	32 MB flash memory
Fingerprint templates 200 Cards 500 Passwords 8 sets (max length 4-digit per password)  ENROLLMENT & VERIFICATION Methods Fingerprint (1:N), card & password Recommended fingerprint per user ID 1 Fingerprint placement Any angles Password length (digit) Max 4 Verification time (sec) < 1 FAR (%) < 0.0001 FAR (%) < 1  CARD TECHNOLOGY RFID: 64-bit, 125kHz Yes MIFARE: MFIS50/S70, 13.56MHz Made to order  OPERATING ENVIRONMENT Temperature ("C) 0 ~ 45 Humidity (%) 20 ~ 80 Power input DC 12V 3A  ACCESS CONTROL EM lock driving output DC 12V / relay output Alarm output NO Door sensor Yes (NO/NC)  GROUP VERIFY TYPE Password only Yes Fingerprint only Yes Fingerprint / card / password Acad and password Yes Fingerprint / card / password Yes	ALGORITHM	BioBridge VX 10.0
Fingerprint templates 200 Cards 500 Passwords 8 sets (max length 4-digit per password)  ENROLLMENT & VERIFICATION  Methods Fingerprint (1:N), card & password  Recommended fingerprint per user ID 1 Fingerprint placement Any angles  Password length (digit) Max 4  Verification time (sec) < 1 FAR (%) < 0.0001 FRR (%) < 1  CARD TECHNOLOGY  RFID: 64-bit, 125kHz Yes  MIFARE: MFISSO/570, 13.56MHz Made to order  OPERATING ENVIRONMENT  Temperature (°C) 0 ~ 45 Humidity (%) 20 ~ 80 Power input DC 12V 3A  ACCESS CONTROL  EM lock driving output DC 12V / relay output  Alarm output NO Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes Fingerprint only Yes Fingerprint / card / password  Yes	PRODUCT DIMENSION (L X W X H), mm	88 x 25 x 88
Cards 500  Passwords 8 sets (max length 4-digit per password)  ENROLLMENT & VERIFICATION  Methods Fingerprint (1:N), card & password  Recommended fingerprint per user ID 1  Fingerprint placement Any angles  Password length (digit) Max 4  Verification time (sec) < 1  FAR (%) < 0.0001  FRR (%) < 1  CARD TECHNOLOGY  RFID: 64-bit, 125kHz Yes  MIFARE: MFIS50/570, 13.56MHz Made to order  OPERATING ENVIRONMENT  Temperature (*C) 0 ~ 45  Humidity (%) 20 ~ 80  Power input DC 12V 3A  ACCESS CONTROL  EM lock driving output NO  Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes  Fingerprint only Yes  Fingerprint (card / password Yes  Fingerprint / card / password  Yes  Card and password  Yes  Card and password	STORAGE	
Passwords 8 sets (max length 4-digit per password)  ENROLLMENT & VERIFICATION  Methods Fingerprint (1:N), card & password  Recommended fingerprint per user ID 1  Fingerprint placement Any angles  Password length (digit) Max 4  Verification time (sec) < 1  FAR (%) < 0.0001  FRR (%) < 1  CARD TECHNOLOGY  RFID: 64-bit, 125kHz Yes  MIFARE: MFISSO/S70, 13.56MHz Made to order  OPERATING ENVIRONMENT  Temperature (°C) 0 ~ 45  Humidity (%) 20 ~ 80  Power input DC 12V 3A  ACCESS CONTROL  EM lock driving output DC 12V / relay output  Alarm output NO  DOOr sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes  Fingerprint / card / password Yes  Card and password Yes	Fingerprint templates	200
ENROLLMENT & VERIFICATION  Methods  Fingerprint (1:N), card & password  Recommended fingerprint per user ID  Fingerprint placement  Any angles  Password length (digit)  Max 4  Verification time (sec)  FAR (%)  CARD TECHNOLOGY  RFID: 64-bit, 125kHz  MIFARE: MFIS50/S70, 13.56MHz  Made to order  OPERATING ENVIRONMENT  Temperature (°C)  Humidity (%)  DC 12V 3A  ACCESS CONTROL  EM lock driving output  Alarm output  NO  Door sensor  GROUP VERIFY TYPE  Password only  Yes  Fingerprint () and password  Yes  Fingerprint / card / password  Yes	Cards	500
Recommended fingerprint per user ID   1	Passwords	8 sets (max length 4-digit per password)
Recommended fingerprint per user ID  Fingerprint placement  Any angles  Password length (digit)  Max 4  Verification time (sec)  FAR (%)  CARD TECHNOLOGY  RFID: 64-bit, 125kHz  MiFARE: MFISSO/S70, 13.56MHz  Made to order  OPERATING ENVIRONMENT  Temperature (°C)  Humidity (%)  Power input  DC 12V 3A  ACCESS CONTROL  EM lock driving output  Alarm output  NO  Door sensor  Yes (NO/NC)  GROUP VERIFY TYPE  Password only  Yes  Fingerprint only  Yes  Fingerprint oly  Fingerprint / card / password  Yes  And A yes  Fingerprint / card / password  Yes  Card and password  Yes  And A yes  Fingerprint / card / password  Yes  Card and password  Yes	ENROLLMENT & VERIFICATION	
Fingerprint placement Password length (digit) Max 4  Verification time (sec) FAR (%) FRR (%)  CARD TECHNOLOGY RFID: 64-bit, 125kHz MIFARE: MFIS50/S70, 13.56MHz  Made to order  OPERATING ENVIRONMENT  Temperature (°C) Humidity (%) Power input DC 12V 3A  ACCESS CONTROL EM lock driving output Alarm output NO Door sensor Yes (NO/NC)  GROUP VERIFY TYPE Password only Yes Fingerprint olly Fingerprint / Card / password Yes Fingerprint / card / password Yes Card and password  A 1  Any angles Any angl	Methods	Fingerprint (1:N), card & password
Password length (digit)  Max 4  Verification time (sec) < 1  FAR (%) < < 0.0001  FRR (%) < 1  CARD TECHNOLOGY  RFID: 64-bit, 125kHz	Recommended fingerprint per user ID	1
Verification time (sec) < 1 FAR (%) < 0.0001 FRR (%) < 1  CARD TECHNOLOGY  RFID: 64-bit, 125kHz Yes  MIFARE: MFIS50/S70, 13.56MHz Made to order  OPERATING ENVIRONMENT  Temperature (°C) 0 ~ 45  Humidity (%) 20 ~ 80  Power input DC 12V 3A  ACCESS CONTROL  EM lock driving output NO Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes  Fingerprint only Yes  Fingerprint / card / password Yes  Card and password Yes  Card and password  Yes  Card and password  Yes  Card and password  Yes  Card and password  Yes  Card and password  Yes  Card and password  Yes  Card and password  Yes  Card and password  Yes	Fingerprint placement	Any angles
FRR (%)   < 0.0001     FRR (%)   < 1     CARD TECHNOLOGY     RFID: 64-bit, 125kHz   Yes     MIFARE: MFIS50/S70, 13.56MHz   Made to order     OPERATING ENVIRONMENT     Temperature (°C)   0 ~ 45     Humidity (%)   20 ~ 80     Power input   DC 12V 3A     ACCESS CONTROL     EM lock driving output   DC 12V / relay output     Alarm output   NO     Door sensor   Yes (NO/NC)     GROUP VERIFY TYPE     Password only   Yes     Fingerprint only   Yes     Fingerprint / card / password   Yes     Card and password	Password length (digit)	Max 4
FRR (%) < 1  CARD TECHNOLOGY  RFID: 64-bit, 125kHz Yes  MIFARE: MFIS50/S70, 13.56MHz Made to order  OPERATING ENVIRONMENT  Temperature (°C) 0 ~ 45  Humidity (%) 20 ~ 80  Power input DC 12V 3A  ACCESS CONTROL  EM lock driving output DC 12V / relay output  Alarm output NO  Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes  Fingerprint only Yes  Fingerprint / card / password Yes  Card and password Yes  Card and password Yes  Card and password Yes  Card and password Yes	Verification time (sec)	<1
CARD TECHNOLOGY  RFID: 64-bit, 125kHz  MiFARE: MFISSO/S70, 13.56MHz  Made to order  OPERATING ENVIRONMENT  Temperature (°C)	FAR (%)	< 0.0001
RFID: 64-bit, 125kHz Yes  MIFARE: MFIS50/S70, 13.56MHz Made to order  OPERATING ENVIRONMENT  Temperature (°C) 0 ~ 45  Humidity (%) 20 ~ 80  Power input DC 12V 3A  ACCESS CONTROL  EM lock driving output NO  Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes  Fingerprint only Yes  Fingerprint / card / password Yes  Card and password Yes  Card and password Yes	FRR (%)	<1
MIFARE: MFIS50/S70, 13.56MHz  Made to order  OPERATING ENVIRONMENT  Temperature (°C) 0 ~ 45  Humidity (%) 20 ~ 80  Power input DC 12V 3A  ACCESS CONTROL  EM lock driving output NO Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes Fingerprint only Yes Fingerprint / card / password Yes  Card and password Yes  Card and password Yes	CARD TECHNOLOGY	
OPERATING ENVIRONMENT       Temperature (°C)     0 ~ 45       Humidity (%)     20 ~ 80       Power input     DC 12V 3A       ACCESS CONTROL       EM lock driving output     DC 12V / relay output       Alarm output     NO       Door sensor     Yes (NO/NC)       GROUP VERIFY TYPE       Password only     Yes       Card only     Yes       Fingerprint only     Yes       Fingerprint / card / password     Yes       Card and password     Yes	RFID: 64-bit, 125kHz	Yes
Temperature (°C) 0 ~ 45  Humidity (%) 20 ~ 80  Power input DC 12V 3A  ACCESS CONTROL  EM lock driving output NO Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes  Card only Yes  Fingerprint only Yes  Fingerprint / card / password Yes  Card and password Yes  Card and password Yes	MIFARE: MFIS50/S70, 13.56MHz	Made to order
Humidity (%)  Power input  DC 12V 3A  ACCESS CONTROL  EM lock driving output  DC 12V / relay output  Alarm output  NO  Door sensor  Yes (NO/NC)  GROUP VERIFY TYPE  Password only  Yes  Card only  Yes  Fingerprint only  Fingerprint / card / password  Yes  Card and password  Yes  Card and password  Yes	OPERATING ENVIRONMENT	
Power input  ACCESS CONTROL  EM lock driving output  Alarm output  NO  Door sensor  Yes (NO/NC)  GROUP VERIFY TYPE  Password only  Yes  Card only  Fingerprint only  Fingerprint / card / password  Yes  Card and password  Yes  Card and password  Yes	Temperature (°C)	0 ~ 45
ACCESS CONTROL  EM lock driving output DC 12V / relay output  Alarm output NO  Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes  Card only Yes  Fingerprint only Yes  Fingerprint / card / password Yes  Card and password Yes	Humidity (%)	20 ~ 80
EM lock driving output  Alarm output  NO  Door sensor  Yes (NO/NC)  GROUP VERIFY TYPE  Password only  Yes  Card only  Yes  Fingerprint only  Fingerprint / card / password  Yes  Card and password  Yes  Card and password  Yes	Power input	DC 12V 3A
Alarm output NO Door sensor Yes (NO/NC)  GROUP VERIFY TYPE  Password only Yes  Card only Yes  Fingerprint only Yes  Fingerprint / card / password Yes  Card and password Yes	ACCESS CONTROL	
Door sensor  GROUP VERIFY TYPE  Password only  Yes  Card only  Yes  Fingerprint / card / password  Yes  Card and password  Yes  Card and password  Yes	EM lock driving output	DC 12V / relay output
GROUP VERIFY TYPE  Password only Yes  Card only Yes  Fingerprint only Fingerprint / card / password Yes  Card and password Yes	Alarm output	NO
Password only Yes Card only Yes Fingerprint only Fingerprint / card / password Yes Card and password Yes	Door sensor	Yes (NO/NC)
Card only Yes Fingerprint only Yes Fingerprint / card / password Yes Card and password Yes	GROUP VERIFY TYPE	
Fingerprint only Yes Fingerprint / card / password Yes Card and password Yes	Password only	Yes
Fingerprint / card / password Yes Card and password Yes	Card only	Yes
Card and password Yes	Fingerprint only	Yes
· · · · · · · · · · · · · · · · · · ·	Fingerprint / card / password	Yes
Fingerprint and password Yes	Card and password	Yes
	Fingerprint and password	Yes

 $\textbf{NOTE:} Specifications \ are \ subject \ to \ change. \ Check \ \textbf{http://product.fingertec.com} \ for \ latest \ product \ information.$ 









