User Manual

Thank you for choosing Keyking products. Please read this manual before using.



Model: FPC3002Q

QR Code & Biometric Fingerprint Reader



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Chapter 1 About FPC3002Q

1.1 Introduction

KEYKING's FPC3002Q is a Networked/Stand-Alone biometric fingerprint & QR Code access controller.

Multi identify mode of FPC3002Q:

- 1. Fingerprint,
- 2. QR Code (Visitor option)
- 3. PIN
- 4. Card
- 5. Card + Fingerprint, Card + Pin, Fingerprint + Pin

Multi-mode operation:

- Stand-Alone all functions are done on the unit using the keypad and menu on the TFT Color display. This configuration does not require PC or any software for normal operation. Might need the use of SPHINX software for data retrieval. The FPC3002Q has all needed to operate the door independently.
- Networked Door Controller Same installation as Stand-Alone with the addition of network connection to the SPHINX. This allows more advanced access control functionalities as well as "sharing" fingerprints with other units on the same network. The unit do support PoE connection as well.
- Fingerprint Reader Connecting the FPC3002Q OSDP/Wiegand Output to an access control controller, the data will be transferred to Access controller and will bring higher security.
- **QR Code Reader-**Supports QR code scanning, available to visitors;
- Proximity (Mifare) card Reader-Supports Proximity & Mifare card;

FPC3002Q can be used as Time & Attendance terminal except access control functions. The IPS screen can be customized and show the employee's name when authorized.

FPC3002Q may be installed as Entry device or IN/OUT system where the FPC3002Q is used for entry and for exit, an attached Exit Button or Card Reader or additional FPC3002Q are connected.



1.2 Model Number



Compatible with these types card:

P: 125KHz (LF): EM4100, TK4100, HID1326, 1386, AWID, KK234\250T; and others U: 13.56MHz (HF): KK1208 M1, Philips S50, Mifare-1 Compatible and others

P models Supports Multi Wiegand Output:

- ✓ AWID: Follow card, up to 58BIT
- ✓ EM, 2308: W26, W34
- ✓ HID, 1326, 1386: According to card configuration, W26/27/34/35/37 and so on
- ✓ KK, KK243\250T: W34 W50

1.3 FPC Family

Model	1 Series Biometric Readers	Picture
FPC1000-P	CPU: 400MHz DSP (4MB Flash memory +8 MB RAM), POE; Capacity: 1,000 templates, 200,000 transactions; Support Card types: Awid, EM, HID, Keyking, 125KHz Fingerprint Sensor: 500 dpi optical sensor Authentication modes: fingerprint, proximity card, proximity card + fingerprint, ID + fingerprint etc., Communication Interface: Wiegand output, TCP /IP, Dimension: 197mm L x88mm W x 35mm / 470g	
FPC1000-U	CPU: 400MHz DSP (4MB Flash memory +8 MB RAM), POE; Capacity: 1,000 templates, 200,000 transactions; Support Card types: S50,Mifare Card, 13.56MHz, KK1208M1 Fingerprint Sensor: 500 dpi optical sensor Authentication modes: fingerprint, proximity card, proximity card + fingerprint, ID + fingerprint etc., Communication Interface: Wiegand output, TCP /IP, Dimension: 197mm L x88mm W x 35mm / 470g	
FPC1001-P	CPU: 400MHz DSP (4MB Flash memory +8 MB RAM), POE; Capacity: 1,000 templates, 200,000 transactions; Support Card types: Awid, EM, HID, Keyking, 125KHz Fingerprint Sensor: 500 dpi optical sensor Authentication modes: FingerPrint Only, FingerPrint or Card, FingerPrint + Card Communication Interface: Wiegand output, TCP /IP, Dimension: 135mm L x58mm W x 45mm / 490g	
FPC1001-U	CPU: 400MHz DSP (4MB Flash memory +8 MB RAM), POE; Capacity: 1,000 templates, 200,000 transactions; Support Card types: S50,Mifare Card, 13.56MHz, KK1208M1 Fingerprint Sensor: 500 dpi optical sensor Authentication modes: FingerPrint Only, FingerPrint or Card, FingerPrint + Card Communication Interface: Wiegand output, TCP /IP, Dimension: 135mm L x58mm W x 45mm / 490g	
BioUSB-01	Biometric USB enrollement Finger Print Reader for direct connection to PC. Fully integrated with KEYKING software, No reader	

Card Readers	3 Series Biometric Readers	Picture
FPC3001-P	CPU: 32 bits ARMR Cortex-M4 Processor Capacity: 3,000 (5,000 Option) fingerprints with on device memory; Unlimited using SPHINX-4 On-Line Support Card types: Proximity, HD, AWID, EM, KKID. Fingerprint Sensor: Optical Authentication modes: Card / Fingerprint, Fingerprint, Card + FingerprintWiegand In & Out Communication Interface: Wiegand In & Out Dimension: W45 xH135xD58 / 490g	
FPC3001-U	CPU: 32 bits ARMR Cortex-M4 Processor Capacity: 3,000 (5,000 Option) fingerprints with on device memory; Unlimited using SPHINX-4 On-Line Support Card types: Mifare/DesFire, Mifare Sector, CPU Fingerprint Sensor: Optical Authentication modes: Card / Fingerprint, Fingerprint, Card + FingerprintWiegand In & Out Communication Interface: Wiegand In & Out Dimension: W45 xH135xD58 / 490g	
FPC3002Q	Metal case Fingerprint biometric reader; CPU: ARM, 32 Bits, Cortex-M4, 200MHz Fingerprint Capacity: 3,000 (5,000 Option) PCS Support Card types: Proximity, Awid, EM, Hid, KeyKing, 125KHz; S50, Mifare, 13.56MHz Authentication modes: Fingerprint/Card/Qr Code/Bluetooth(Shake), Card + fingerprint Interface: Wiegand, OSDP, TCP Voltage: 12VDC, POE support Dimension: 161mm L x66mm W x 25mm / 490 g	L 2 3 Esc 0 ok Menu
FPC3002	Metal case Fingerprint biometric reader; CPU: ARM, 32 Bits, Cortex- M4, 200MHz Fingerprint Capacity: 3,000 (5,000 Option) PCS Support Card types: Proximity, Awid, EM, Hid, KeyKing, 125KHz; S50, Mifare, 13.56MHz Authentication modes: Fingerprint/Card/No QR Code/Bluetooth(Shake), Card + fingerprint Interface: Wiegand, OSDP, TCP Voltage: 12VDC, POE support Dimension: 161mm L x66mm W x 25mm / 490 g	1 2 3 4 4 5 6 7 7 6 9 6 12 0 2 10 12 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 10 0 0 10 0 10 10 0 10 0 10 0 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 10 10 10 10 10 10 10 10 10 10 10
BioUSB-03SC	Biometric USB enrollement Finger Print Reader for direct connection to PC. Fully integrated with KEYKING software, No reader	O

1.4 Features

• Capacitive sensor, Live fingerprint check, high security;

- Faster identify: 1 sec searching for 3,000 pcs templates.
- Multi-Core CPU with multithread operation.
- Self-Test, Watchdog Timer for better stability
- No fingerprint image stored fingerprint converted to mathematical template code.
- Uninterrupted operation on-line and off-line, independent operation.
- IPS (In-Plane Switching) color display customizable background and employee data.
- 100M Network, PoE (Power over Ethernet) supported;
- Exit Button (REX) and Door Sensor inputs.
- 3A Door Relay.
- AUX Input programmable, can be used for intercom or alarm operation
- AUX Relay Default is for DoorBell, programmable, can be used for alarms or other feature
- IP54 Ingress Protection rated.

Specification:

- CPU: ARM, 32Bits, Cortex-M4, 200MHz DSP
- Fingerprint capacity: 3,000 pcs templates as default, and 5,000 option
- Identify Modes: FP / Card / QR Code, Card + FP, PIN+FP, Card + PIN;
- Interface:
 - (A) Wiegand: Wiegand Output only, will not support an external reader.
 - (B) OSDP: In & Out;
- Networking: TCP/IP, 100M based
- Power Over Ethernet: IEEE 802.3af (including 12Vdc 500mA output)
- Operating voltage: 12VDC
- Operating current: ≤500mA
- Standby current: ≤260mA
- Temperature: -20°C to 65°C
- Humidity: 0-95%
- Dimension: 161mm L x66mm W x 25mm
- Weight: 490g

1.5 Installations instruction

1.5.1 FPC3002Q works as a reader (Wiegand)

We suggest to use a separated power supply for FPC3002Q because it requires minimum 500 mA power supply.



1.5.2 FPC3002Q works as a reader (OSDP)



1.5.3 FPC3002Q works as a standalone

3 options:

• Standalone, no external reader



Notes:

♦ Recommended power supply PSRFS1240 – incorporate isolation relay and backup battery support.

Indoor OSDP Reader

9 🗘 OK Men

Outdoor

FPC3002Q



KEYKING

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Chapter 2 Installation

2.1 American standard Installation

- Mount the back plate on the American electric box by 2 pcs M4 screws. Please refer to picture 2.
- Connect all wires to FPC3002Q.
- Fix FPC3002Q on the back plate. Please refer to picture 3.
- Fasten the fixed screw from the bottom. Please refer to picture 4.



Figure 2-1 American electric standard installation

2.2 Europe standard Installation

- Mount the quadrate back plate on the Europe electric box by 2 pcs M4 screws. Please refer to picture 2.
- Mount the back plate on the quadrate back plate by 2 pcs M4 screws. Please refer to

picture 3.

- Connect all wires to FPC3002Q.
- Fix FPC3002Q on the back plate. Please refer to picture 4.
- Fasten the fixed screw from the bottom. Please refer to picture 5.



Figure 2-1 Europe electric standard installation

Chapter 3 Wiring Diagram

3.1 FPC3002Q Parts



Figure 3-1

LED: **BLUE = Power On**; **GREEN = Lock Open**

Keypad:

NO.	Key	Description				
0-9	0-9	Numerical Keys for menu selection and data				
-		entry				
2	Esc	Back to previous menu / cancel operation				
3	¢	Door Bell – energize Relay 2				
4	仚	Delete data entered				
5	\bigtriangledown	Scroll down / period(.)				
6	Menu	Enter Main Menu				
7	OK	Confirm Data				

3.2 Wiring Diagram



Con	Label	Definition				
J3	TCP/IP PoE	Network TCP/IP or PoE				
	12V	Power to the external reader				
	GND	12Vdc, 2A				
J4	485+					
	485-					
	D1	Wingood Output				
	D0					
	NO1					
	COM1	Door Lock Relay				
15	NC1					
00	NO2					
	COM2	AUX Programmable Relay – Also act				
	NC2	as Alarm and Alarm Clock				
	GND	Ground (GND)				
J6	REX	Exit Button				
	SEN	Door Sensor				
	AUX	AUX Input				

Figure 3-2

Do not connect Power Supply if using PoE!

3.3 Lock Wiring Diagram

J4: Relay Output – Relay 1 (Lock Control)



Figure 3-5 MagLock (Fail safe)

Notes:

- recommended power supply PSRFS1240 incorporate isolation relay and backup battery support.
- ♦ REX Exit Button
 - May be connected via the PSRFS1240 in such case, do not use Door Sensor to prevent false alarms from the unit.
 - Or direct to the FPC3002Q using GND & SEN connections. If connected directly to FPC3002Q, the opening operation will be recorded on the software.
- ♦ If using Fail Secure Strike Please use NO contact instead of NC.
- ♦ Connect adequate fuse to the lock protect the power supply

3.4 TCP/IP Network

FPC3002Q TCP/IP network









Figure 3-9

RJ45 NO.	Definition
1	TX+
2	TX-
3	RX+
6	RX-

Figure 3-2

3.5 Work Mode

3.5.1 Work as Wiegand reader.

Wiring stpes:

- 1. Connect network cable to the RJ45 of TA3002.
- 2. Connect Wiegand Output of FPC3002Q to Access controller.

NO	EDC2002O	KeyKi	Bomark			
NO.	FPC3002Q	Color	Access Controller	Keillark		
1	+12V	Red	7-14VDC	If using POE, do not power from panel.		
2	Data 0	Green	Data0			
3	Data 1	White	Data1			

4	GND	Black	GND	
•	•=		•=	

Note:

 If network cable can provide power to FPC3002Q through POE, please do not connect 12VDC to FPC3002Q from access controller.



The access control software directly connects to FPC3000 device interface configuration, click Setup/Hardware/Fingerprint Reader/FPC3000:

DESKTOP-ECOUEFI	Parameters Status Sched	ule Door Access Schedule	e Fin	gerprint User Flow Control	Event Driver Alarm Clock	
 B FPC3002 FingerPrint Reader I 92 168 7 202 	Basic Information Unit ID (OSDP)	1 Chan	De	Name	FingerPrint Reader	
FPC3002Q FingerPrint Reade	Firmware Version	V03.03		Menu Language	English	~
	Screen Saver (S)	10	-	Company Name	KEYKING	_
	Back Ground Picture(320	J*240)			e	A
	Verification Factor	2:Fingerprint / Card	\sim	Proximity Card Reader	Disable	~
	Active QR Code	Screen ON	\sim	Active QR Code Light	Never	~
	Verify Mode	Terminal Only	\sim	Auto Detect FP	Enable	
	Multi-FP Detect	Enable	\sim	Humidity FP Detect	Enable	
	Scan Timeout (S)	10	\$	1:1 (Verify)	4:Below Normal	~
	1:N	Enable	~	1:N (Identify)	5:Normal	~
	Work Mode	1:Fingerprint Reader	\sim	Get Events	Yes	~
	Installation Location	Entry	\sim	OSDP Reader ID (Inside)	1	\$
	Display Mode	User ID + User Name + 0		Buzer Alarm	Door Opened Too Lor	ŋg
	LED Control	Low Level	~		✓ Valid Card	
	Buzzer Control	Low Level	\sim			
	Wiegand_Output Item	Card Number	~	Wiegand Length	Weigand 26	~
	Door Sensor	Normally Open	\sim	Sensor Anti-shake(MS)	20	~
	Lock Open Time(S)	5	•	Lock Monitor Time(S)	20	¢
	Super PIN	* 0000000	#	Menu Password	00000000	
	T amper Alarm	Disable	\sim	Network Parameter	Configurable	~
	As Enroller			Default	Paste Set.	All

3.5.2 Work as OSDP reader.



3.5.2.1 Power supply (Wiring steps):

- 1. Connect network cable to the RJ45 of TA3002.
- 2. Connect OSDP Output of FPC3002Q to Access controller.

NO	EDC2002O	KeyK	Domork	
NO.	FPC3002Q	Color	Access Controller	Remark
1	GND	Black	GND	
2	+12V	Red	7-14VDC	If using POE, do not power from panel.
3	RS485-	Brown	RS485-	
4	RS485+	Yellow	RS485+	

Note:

 If network cable can provide power to FPC3002Q through POE, please do not connect 12VDC to FPC3002Q from access controller.

The access control software directly connects to FPC3002 device interface configuration, click Setup/Hardware/Fingerprint Reader/FPC3000:

🔀 Fingerprint Reader				- 🗆 X					
✓ - 🧐 DESKTOP-ECOUEFI ✓ - 😼 192.168.6.160	Parameters Status Schedu	ule Door Access Schedule F	ingerprint User Flow Control	Event Driver Alarm Clock • •					
 Image: FPC3002 FingerPrint Reader Image: FPC3002 FingerPrint Reader Image: FPC3002 FingerPrint Reader 	Unit ID (OSDP)	1 Change	Name	FingerPrint Reader					
- 🖡 FPC3002Q FingerPrint Reade	Firmware Version	V03.03	Menu Language	English ~	200800		KEYKING	GROUP	
	Screen Saver (S)	10	Company Name	KEYKING	1000	20	23/06/0	6 10:08	
	Back Ground Picture(320)*240)				K	EYP	ING	3
	Verification Factor	2:Fingerprint / Card	Proximity Card Reader	Disable \checkmark	1000	Sec.			
	Active QR Code	Screen ON 🕓	Active QR Code Light	Never ~	10.000				
	Verify Mode	Terminal Only	Auto Detect FP	Enable \vee			Ы	m	\triangle
	Multi-FP Detect	Enable	Humidity FP Detect	Enable \sim	120101				
	Scan Timeout (S)	10	1:1 (Verify)	4:Below Normal \sim	1000	u.	ľ	Ľ	∇
	1:N	Enable >	 1:N (Identify) 	5:Normal \checkmark	1000	-	1)	
	Work Mode	1:Fingerprint Reader	Get Events	Yes ~	1.000	-	-	0	4
	Installation Location	Entry	OSDP Reader ID (Inside)	1	10000	7	В	ח	Đ
	Display Mode	User ID + User Name + C 🗸	Buzer Alarm	Door Opened Too Long	1000				
	LED Control	Low Level	•	Valid Card	10000	Esc	0	OKI	Menu
	Buzzer Control	Low Level 🗸 🗸							
	Wiegand_Output Item	Card Number >	 Wiegand Length 	Weigand 26 🗸	10.00 T		6		
	Door Sensor	Normally Open 🕓	Sensor Anti-shake(MS)	20 ~	10000				
	Lock Open Time(S)	5	Lock Monitor Time(S)	20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	Super PIN	* 00000000	# Menu Password	0000000	100000		L		
	Tamper Alarm	Disable ~	Network Parameter	Configurable \sim			_		
< >>	As Enroller		Default	Paste Set All					
Find Copy	Paste Set A	I	OK	Cancel Apply			-		

3.5.2.2 Keypad Message

When FPC3002Q work as an osdp reader, it will output the Keypad value to Access Controller through OSDP socket & Wiegand socket.

OSDP socket: It will output the Keypad value only when FPC3002Q work as an OSDP reader.

Wiegand socket: It always output the Keypad value no matter which mode FPC3002Q works as.

Keypad Value Table:

Keypad	KeyKing Common Reader		Domork
(FPC3002Q)	Keypad	Keypad Value	Remark
0	0	0000	
1	1	0001	
2	2	0010	
3	3	0011	
4	4	0100	
5	5	0101	
6	6	0110	
7	7	0111	
8	8	1000	
9	9	1001	
Esc (*)	*	1010	
Ok (#)	#	1011	

The reader will process the keypad entries in the reader and then transmits the data to the host system via the Wiegand data lines. The reader outputs each key as an ASCII encoded hexadecimal digit. The decoding of the message sent through the Wiegand interface is the only processing required of the host system. The user interface has been implemented in the most generic fashion to give the integrator the most flexibility.

The keypad message follows a basic format.

0 = 0000	4 = 0100	8 = 1000
1 = 0001	5 = 0101	9 = 1001
2 = 0010	6 = 0110	* = 1010
3 = 0011	7 = 0111	# = 1011

The reader will transmit every key value individually, after it was pushed.

For example:

- If you push "1", then the reader will transmit "0001" to the host (Panel or controller).
- If you push "1" and "2", the reader will transmit "0001" to the host (Panel or controller), then tranmit "0010" to the host.

3.5.3 Work as Standalone/Terminal



- The relay of FPC3002Q is not enough strong to control the big current required electronic lock, such as drop bolt or magnetic lock, so we suggest to use a seprated power supply to power the lock.
- Only when you use a small current required strike, the relay of FPC3002Q can control the strike.

The access control software directly connects to FPC3002 device interface configuration, click Setup/Hardware/Fingerprint Reader/FPC3000:

KTOP-ECOUEFI	Parameters Status Schede	ule Door Access Schedule	e Fing	gerprint User Flow Control	Event Driver Alarm Clock
FPC3002 FingerPrint Reader	Basic Information		_	1	
92.168.7.202	Unit ID (OSDP)	1 Chan	ge	Name	FingerPrint Reader
FPC3002Q FingerPrint Reade	Firmware Version	V03.03		Menu Language	English \sim
	Screen Saver (S)	10	*	Company Name	KEYKING
	Back Ground Picture(320)*240)			
	Verification Factor	2:Fingerprint / Card	\sim	Proximity Card Reader	Disable ~
	Active QR Code	Screen ON	\sim	Active QR Code Light	Never ~
	Verify Mode	Terminal Only	\sim	Auto Detect FP	Enable ~
	Multi-FP Detect	Enable	\sim	Humidity FP Detect	Enable ~
	Scan Timeout (S)	10	\$	1:1 (Verify)	4:Below Normal V
	1:N	Enable	\sim	1:N (Identify)	5:Normal ~
	Work Mode	1:Fingerprint Reader	\sim	Get Events	Yes ~
	Installation Location	Entry	\sim	OSDP Reader ID (Inside)	1
	Display Mode	User ID + User Name + I		Buzer Alarm	Door Opened Too Long
	LED Control	Low Level	\sim		Valid Card
	Buzzer Control	Low Level	\sim		
	Wiegand_Output Item	Card Number	\sim	Wiegand Length	Weigand 26 🗸 🗸
	🗹 Door Sensor	Normally Open	\sim	Sensor Anti-shake(MS)	20 ~
	Lock Open Time(S)	5	*	Lock Monitor Time(S)	20
	Super PIN	* 00000000	#	Menu Password	00000000
	Tamper Alarm	Disable	\sim	Network Parameter	Configurable ~
	As Enroller			Default	Pasta Sat All

Chapter 4 Configuration Menu

Below is the full configuration menu. New units do not have Administrator and will allow entering the menu without password or 1234. After first Administrator is enrolled, to enter the menu, the unit will require Administrator ID. There is no limit on number of administrators.



4.1 User Management

4.1.1 Add Personnel / Admin

- 1. Press Menu to enter management menu when FPC3002Q is idle. Esc works as cancel while Enter works as confirm.
- 2. Press 1 to enter User interface.
- 3. Press 1 to Add User or 4 to add Administrator.
- 4. Type new user ID 1-9 digits, and press ENTER to confirm. It is recommended to keep a list of User ID and the person names. Especially important if not using PC to allow removal from device if needed.

See next pages for instructions on options

Keyking FPC3002Q
1. User
2. Network
3. Option
4. Device
5. Terminal Info
Keyking FPC3002Q
1. Add
2. Delete
3. Modify
4. Add Admin
5. Delete All
Keyking FPC3002Q New ID (New) <mark>123456-</mark>

Kevking	FPC3002O
INCYRING	FI C3002Q

- 1. FP
- 2. FP|Card
- 3. FP+PIN
- 4. CARD +FP
- 5. CARD +PIN

4.2.1.1 Fingerprint Only

- 1. Press 1 for Fingerprint Only
- 2. Hit ENTER to go to the next screen

Level 1:1 apply to Card+Fingerprint or PIN+Fingerprint modes ONLY. The number represent how strict the verification is done. 4 is normal, higher number will provide higher security, but, might result in multiple attempts by authorized users. Lower number will make the unit faster to response and comply with problematic fingers, but, might authorize unauthorized persons.

3. Hit ENTER to go to the next screen If entered 0, the unit will require ID or Card before fingerprint, with 1 (default) the unit will read the finger as it is laid on the sensor. Keyking FPC3002Q 1. FP

- 2. FP|Card
- 3. FP+PIN
- 4. CARD+FP
- 5. CARD +PIN

Keyking FPC3002Q Enable 1: N : (N=0/Y=1) :1

Keyking FPC3002Q Add FingerPrint

Put Your FP

4. Follow the instructions on the screen, the unit will require three finger scans, let the unit 2 seconds scan time for each finger.

If scan failed, the FPC3002Q will go back to the main menu and the process will begin from the Main Menu 4.2.1

4.2.1.2 FP|Card

- 1. Press 2 to enter add FP/Card interface. This option will allow a person identity to be either Card or Fingerprint
- 2. Swipe the card in front of the card picture (under the sensor); system will enter the next interface after a beep sound.
- 3. Hit ENTER to go to the next screen

Level 1:N apply to Card+Fingerprint mode ONLY. The number represent how strict the verification is done. 5 is normal, higher number will provide higher security, but, might result in multiple attempts by authorized users. Lower number will make the unit faster to response and comply with problematic fingers, but, might authorize unauthorized persons.

- 4. Hit ENTER to go to the next screen
- 5. Follow the instructions on the screen, the unit will require three finger scans, let the unit 2 seconds scan time for each finger.

If scan failed, the FPC3002Q will go back to the main menu and the process will begin from Main Menu 4.2.1 Keyking FPC3002Q

Add FingerPrint

Put Your FP

Keyking FPC3002Q FP 1. 2. FP|Card 3. FP+ PIN 4. CARD +FP 5. CARD +PIN Keyking FPC3002Q Add Card Place Your Card

Keyking FPC3002Q

Enable 1: N

(N=0/Y=1):1

4.2.1.3 FP+PIN

- Press 3 to enter add FP+PIN interface. This mode uses Dual-Factor ID. Both Card & Fingerprint verification are required and need to match. Use this mode in cases where higher security required or Use this mode in cases where the person fingerprint quality is very low enforcing low 1:N and 1:1 levels.
- 2. Enter the PIN; system will enter the next interface after a beep sound
- 3. The number represent how strict the verification is done. 5 is normal, higher number will provide higher security, but, might result in multiple attempts by authorized users (False Negative). Lower number will make the unit faster to response and comply with problematic fingers, but, might authorize unauthorized persons (False Positive). FP+PIN mode prevent false positive. Hit ENTER to go to the next screen.
- 4. Follow the instructions on the screen, the unit will require three finger scans, let the unit 2 seconds scan time for each finger. If scan failed, the FPC3002Q will go back to the main menu and the process will begin from Main Menu 4.2.1

4.2.1.4 Card+FP

- Press 4 to enter add Card+FP interface.
 This mode uses Dual-Factor ID. Use this mode in cases where the person fingerprint quality is very low enforcing low 1:N level. And there are no cards in use. The User ID (entered at 4.2.1 screen 4) as first identification and then require matching fingerprint within 25 seconds after ID entered.
- 2.Swipe the card; system will enter the next interface after a beep sound.
- Follow the instructions on the screen, the unit will require three finger scans, let the unit 2 seconds scan time for each finger.
 If scan failed, the FPC3002Q will go back to the main menu and the process will begin from Main Menu 4.2.1

 Keyking FPC3002Q

 1. FP

 2. FP|Card

 3. FP+ PIN

- 4. CARD +FP
- 5. CARD +PIN

Keyking FPC3002Q User PIN

Keyking FPC3002Q Enable 1: N : (N=0/Y=1) :1

Keyking FPC3002Q Add FingerPrint

Put Your FP



Add Card

Place Your Card

Keyking FPC3002Q Enable 1: N

(N=0/Y=1) :1

Keyking FPC3002Q Add FingerPrint

Put Your FP

4.2.1.5 Card +PIN

- Press 5 to enter add Card +PIN.
 This mode uses Dual-Factor ID, though do not use Fingerprint as one of the identifications. It is not recommended to use this mode, unless, there is a specific problem with an individual that can not use Fingerprint.
- Keyking FPC3002Q
- 1. FP
- 2. FP|Card
- 3. FP+PIN
- 4. CARD +FP
- 5. CARD +PIN



3 Enter the UserID which is to be deleted, then press Enter to confirm.

4.1.3 Delete All

1. Enter main menu and select 1. User

- 2. Press 5 to enter Delete All interface.
- 3. Press 1 and Enter to confirm deleting.
- NOTE this will remove ALL users and administrators credentials but will NOT clear the history

4.1.4 Modify

- 1. Enter the Main Menu and select 1. User
 - 2. Press 3 Modify

3. Enter the UserID to be modified, the same interface as the enrolment will allow to modify specific configurations.

Keyking FPC3002Q Add FingerPrint

Put Your FP

DI	T 7	0	1

1. User

Keyking FPC3002Q

- 2. Network
- 3. Option
- 4. Device
- 5. Terminal Info

Keyking FPC3002Q

- 1. Add
- 2. Delete
- 3. Modify
- 4. Add Admin
- 5. Delete All



- Keyking FPC3002Q
- 1. Add
- 2. Delete
- 3. Modify
- Add Admin
 Delete All

Keyking FPC3002Q

Delete All User?

[Y=1/N=2]:

Keyking FPC3002Q Change Card

Place Your Card

4.2 Network

If running FPC3002Q as Stand-Alone without PC Connectivity planned, this chapter can be skipped. In most cases, when FPC3002Q may be connected to PC running SPHINX, network configuration may be made On-Device using the following instructions, or, from SPHINX which has very simple and smart controller configuration menu that will allow connection and adaption of the FPC3002Q to the local network automatically. If using Lap Top for updates from time to time, make sure the laptop has "static ip" also so the FPC3002Q will automatically recognize it when connected. Single laptop can be used to configure multiple FPC3002Q units. See SPHINX manual for more information.

4.2.1 Unit ID

1. From the Main Menu, select 2. Network



2. Press 1 to enter Unit ID – this is the unit ID number. If using multiple units, make sure it is not duplicated.

]	Keyking FPC3002Q
1.	Unit ID
2.	IP Option
3.	IP Address
4.	Subnet Mask
5.	Gateway
6.	Host IP
7.	Host Port

3. Input the Unit ID by using the keypad and press Enter to confirm.

Keyking FPC3002Q	
〈Unit ID〉	
0001	

4. Use ESC key to go back to previous menu.

4.2.2 IP Option

1. From the Main Menu, select 2. Network

- 2. Press 2 to enter Network Configuration
- Keyking FPC3002Q
 1. User
 2. Network
 3. Option
 4. Device
 5. Terminal Info
 Keyking FPC3002Q
 1. Terminal ID
 2. IP Option
 3. IP Address
 4. Subnet Mask
 5. Gateway
 6. Host IP
 7. Host Port
- 3. Make sure IP Option is **0** and hit ENTER. use ESC key to go back to previous "Network Configuration" menu.
- **0** = Network parameters configurable.
- 1 = Network Parameters write-protected and can not be changed
- $\mathbf{2} =$ force 10.1.1.10 IP Address

Keyking FPC3002Q

IP Option: <mark>0</mark>

0=Writable 1=Protected

2=Forced IP(10.1.1.10)

4.2.3 IP Address

1. From the Main Menu, select 2. Network

Keyking FPC3002Q
1. User
2. Network
3. Option
4. Device
5. Terminal Info

2. Press 3 to enter IP Address

Keyking FPC3002Q		
1.	Terminal ID	
2.	Net Configure	
3.	IP Address	
4.	Subnet Mask	
5.	Gateway	
6.	Host IP	
7.	Host Port	

3. Enter IP Address interface. (

button is Delete / Backspace,



button is •) and ENTER to confirm. Use ESC to go back to previous

Ŷ

"Network Configuration" menu.

Keyking FPC3002Q IP Address:

<u>192.168.x.x</u>

4.2.4 Subnet Mask

menu.

1. From the Main Menu, select 2. Network

		Keyking FPC3002Q
		1. User
		<mark>2. Network</mark>
		3. Option
		4. Device
		5. Terminal Info
2.	Press 4 to enter	Subnet Mask

Variling EDC20020

		Keyking FPC3002Q
		1. Terminal ID
		2. IP Option
		3. IP Address
		4. Subnet Mask
		5. Gateway
		6. Host IP
		7. Host Port
3.	Enter Subnet Mask and ENTER to conf	button is Delete / Backspace, button is •) irm. Use ESC to go back to previous "Network Configuration"
	monu	



4.2.5 Gateway

Keyking FPC3002Q
1. User
2. Network
3. Option
4. Device
5. Terminal Info

2. Press 5 to enter Subnet Mask

Keyking FPC3002Q				
1.	Terminal ID			
2.	Net Configure			
3.	IP Address			
4.	Subnet Mask			
5.	Gateway			
6.	Host IP			
7.	Host Port			

3. Enter Gateway. (button is Delete / Backspace, button is •) and ENTER to confirm. Use ESC to go back to previous "Network Configuration" menu.

Keyking FPC3002Q		
Gateway		
192.168.X.X		

4.2.6 Host IP

The HOST is the computer where the SPHINX software is installed (Server).

1. In Main Menu select 2, Network

Keyking FPC3002Q		
1. User		
2. Network		
3. Option		
4. Device		
5. Terminal Info		

3. Select 6 to enter Subnet Mask

	Keyking FPC3002Q					
	1.	Terminal ID				
	2.	IP Option				
	3.	IP Address				
	4.	Subnet Mask				
	5.	Gateway				
	<mark>6.</mark>	Host IP				
	7.	Host Port				
. (Ŷ	button is Delete / Ba				



4. Enter Gateway. (button is Delete / Backspace, button is ·) and ENTER to confirm. Use ESC to go back to previous "Network Configuration" menu.

Keyking FPC3002Q	
Host IP:	
192 168 X X	

4.2.7 Host Port

Keyking FPC3002Q
1. User
2. Network
3. Option
4. Device
5. Terminal Info

2. Select 7, Host Port

Keyking FPC3002Q				
1.	Terminal ID			
2.	IP Option			
3.	IP Address			
4.	Subnet Mask			
5.	Gateway			
6.	Host IP			
7.	Host Port			

3. Enter Port number. (button is Delete / Backspace, button is •) and ENTER to confirm. Use ESC to go back to previous "Network Configuration" menu



4.3 Option

4.3.1 Language

1. In Main Menu, select 3, Option

2. Select 1, Language

3. Select language (0=English 1=Chinese) and press Enter to confirm.

4.3.2 Clock Setting

1. From the Options menu, select 2, Clock Setting

 Enter date and time in the following format: YYYYMMDDHHMMSS (Year, month in 2 digits, day in 2 digits, hour in 24H format, minutes in 2 digits and seconds in 2 digits) For example, 1:09:23 PM on January 3rd. 2017 Enter to confirm.

4.3.3 Screensaver

Screen Saver is the time where the LCD screen go dark if no key or finger had been pressed. It is important to select the right time to allow

reasonable time to read the screen for users and at the same time to conserve energy by turning off the screen when not needed. The LCD screen had predefined life (like any screen) and keeping the screen on all the time will short the unit usability time. It is recommended to have it at 10-20 seconds.

Keyking FPC3002Q Language 1. 2. Clock 3. Screen Saver 4. Door Relay Tamper Alarm 5. 6. Work Mode Keyking FPC3002Q 1. User 2. Network 3. Option 4. Device 5. Terminal Info Keyking FPC3002Q 1. Language 2. Clock 3. Screen Saver 4. Door Relay 5. Tamper Alarm Work Mode 6. Keyking FPC3002Q Language (0=EN/1=CHN): 0



- 5. Tamper Alarm
- 6. Work Mode

Keyking FPC3002Q Clock Setting

20170103130923



1. In the Option Menu, select 3, Screen Saver

Keyking FPC3002Q

Screen Saver(Sec): 010

2.Enter the time in Seconds and ENTER to confirm

4.3.4 Door Relay

Door Relay time is the time the lock will be open on authorized access (by ID or REX Button or from the software "Grant Access"). Make sure it is a reasonable time. Too short, people will not be able to enter. Too long, others, unauthorized, may be able to enter following authorized entrance (tailgating). Door Status is the Door Sense input. Usually a "magnet relay" such as used in alarm systems. It is not mandatory for the unit operation, but, provide several important features:

Tailgate Prevention - If using the Door Sensor, the relay will return to Locked position once the door opened and closed regardless the time left.

Door Held Open Alert – The unit can be configured to provide alert if door is not closed within predetermined time.

Door Status monitoring if the unit is connected to SPHINX

1.	From the Option Menu, sel	Keyking FPC3002Q1.Language2.Clock3.Screen Saver4.Door Relay5.Tamper Alarm6.Work Mode			
2.	2. Select the parameter to be set				Keyking FPC3002Q1.Relay Time2.Door Status3.Open Time Out
	Keyking FPC3002Q		Keyking FPC3002Q		Keyking FPC3002Q
	(00-30) : 05		[0=NO/1=NC]:0		(00-30): 20
	L Set Lock Relay time Seconds	in	Select Door Sensor Type Leave 0 if not used	Set door alert	the time allowed for the to stay opened before

4.3.5 Tamper Alarm

FPC3002Q has internal Tamper Switch alerting if the unit is being removed from its mounting

bracket. If enabled, removal from the mounting will cause the unit to beep continuously and can also be used to activate alarms using Relay 2 and in the SPHINX software.

1. From the Option Menu, select 5, Tamper Alarm

2.Select the option and ENTER

4.3.6 Work Mode

Multi-Fingerprint Verification allow to enroll up to 3 fingerprints for each user. It is recommended since people might have minor cuts (paper cut, cracked skin) on their enrolled finger. having two or more fingers enrolled will allow entrance in such cases. Multiple Fingerprint enrollment is possible only using SPHINX software for enrollment.

1. From the Option Menu, select 6, Work Mode

Keyking FPC3002Q

- 1. Language
- 2. Clock Setting
- 3. Screen Saver
- 4. Door Relay
- 5. Tamper Alarm
- 6. Work Mode

Keyking FPC3002Q Tamper Alarm

(N=0/Y=1) :1

Keyking FPC3002Q

- 1. Language
- 2. Clock Settings
- 3. Screen Saver
- 4. Door Relay
- 5. Tamper Alarm
- 6. Work Mode
- 0. WORK IN

2.Select the option and ENTER

FP Reader: verify and send record to controller, controller open door FP Standalone/Terminal: can connect external OSDP reader, open door directly

Keyking FPC3002Q Work Mode:1

- 1. FP Reader
- 2. FP Attendance

4.4 Device

4.4.1 FP Level

Fingerprint Module configuration allow customization of the fingerprint algorithm to match specific situations. These configurations are affecting the whole unit. Some can be personalized during the enrollment process to match personal conditions. It is recommended to NOT make any changes, unless needed to.

- 1. From the Main Menu select 4, Device
- 2. Select 1, FP-Module
- 3. Select the parameter to be changed
 - Level for 1:1: Algorithm Security Level on Card+FP and PIN+FP. Higher number, more strict may result in multiple attempts to enter. Too low, may result in unauthorized entrances.
 - 2. Level for 1:N: Algorithm Security Level on FP. Higher number, more strict may result in multiple attempts to enter. Too low, may result in unauthorized entrances.

Keyking FPC3002Q

- 1. User
- 2. Network
- 3. Option
- 4. Device
- 5. Terminal Info

Keyking FPC3002Q

- 1. FP-Level
- 2. Wiegand Setting
- 3. Card Number Mode
- 4. Display Mode
- 5. Terminal Initial
- 6. NFC Setting

Keyking FPC3002Q

- 1. Level for 1:1
- 2. Level for 1:N

Level (3-9) : 5

4.4.2 Wiegand Setting

Use this setting if connecting the FPC3002Q as Fingerprint Reader to a Door Controller using Wiegand Protocol. This type of connection provides higher security operation where the door is controlled from another controller located in the secured area.

1. From the Device Menu, select 2, WG Setting.

2.Select the option				Keyking FPC3002Q1. FP Level2. Wiegand Setting3. Card Number Mode4. Display Mode5. Terminal Initial6. NFC Setting
Keyking FPC3002Q	Г	Keyking FPC30	002Q	Keyking FPC3002Q 1.Wiegand Output Item 2.Wiegand Length
Wiegand Output Item: 0 0=Card Number 1=User ID		Wiegand Length: 0=None 1=26 bits 2=34 bits	<u>34</u>	
0 FPC3002Q will send th work only in Card, FP+0 1 FPC3002Q will send th on any authorized user	ne Card Number – Card, PIN+Card ne User ID number in all modes.	0 Wiegand OFF 1 26 bits 2 34 bits	Output	

4.4.3 Card Number Mode

Card Number Mode set the display of the card number on the screen (Display Mode 4-7). It does not affect the operation of the FPC3002Q and it's Weigand Input/Output

- Keyking FPC3002Q
- 1. FP-Module
- 2. Wiegand Setting
- 3. Card Number Mode
- 4. Display Mode
- 5. Terminal Initial
- 6. NFC Setting
- Keyking FPC3002Q Card Number Mode:0

0=Decimal

- 1=Hex
- 2=Wiegand

- 2. Select the option and ENTER
 - 0 = Decimal normal number

1. From the Device Menu, select 3, Card Number Mode

- 1 = Hexadecimal short numbering system
- 2 = Weigand format Site Code and Card ID

4.4.4 Display Mode

1. From Device Menu, select 4, Display Mode

Keyking FPC3002Q

- 1. FP Level
- 2. Wiegand Setting
- 3. Card Number Mode
- 4. Display Mode
- 5. Terminal Init
- 6. NFC Setting

2. Select the information to display when authorized ID is detected. Note that User Name can be used only if enrolled by SPHINX software.

Keyking FPC3002Q

Display Mode: 3

- 0. None
- 1. User ID
- 2. UserName
- 3. UserName+UserID
- 4. CardNo
- 5. CardNo+UserID
- 6. CardNo+UserName
- 7. CardNo+Name+UserID

4.4.5 Terminal Initial

1. From Device Menu, select 5, Terminal Init

Keyking FPC3002Q

- 1. FP -evel
- 2. Wiegand Setting
- 3. Card Number Mode
- 4. Display Mode
- 5. Terminal Initial
- 6. NFC Setting

Keyking FPC3002Q

- 1. Parameter Initial
- 2. Delete All Logs
- 3. Terminal Initial
- 4. NetPara Initial

2. Select Initialization Type

Keyking FPC3002Q Config Initial	Keyking FPC3002Q Delete All Logs	Keyking FPC3002Q Terminal Initial	Keyking FPC3002Q NetPara Initial
[1=Y/2=N]:	[1=Y/2=N]	[1=Y/2=N]	[1=Y/2=N]

Reset unit	Clear the database	Return the unit to Factory	Reset net configuration
configuration to	including user data and	Setting deleting ALL data	to Default Settings.
Default Settings. Do	history. Do NOT change	and configurations – Like	
NOT delete user data	configuration	New	
and history			

4.5 Terminal Info

1. From Main Menu, select 5, Terminal Info

Keyking FPC3002Q

- 1. User
- 2. Network
- 3. Option
- 4. Device
- 5. Terminal Info



Down Button to page down to view other information.

Keyking FPC3002Q Unit ID=0001 Version=V3.03 User Capacity=30,000 FP Capacity=3000 Log Capacity=100,000 MAC=00-10-F0-01-60-74 IP=192.168.X.X Gateway=192.168.2.249 Mask=255.255.0.0 Host IP=192.168.2.18 Host Port=8000 1:1 Level=4 1:N Level=5 FP=12 User=16 Admin=0 Logs=1 Screen Saver=200s Wiegand Out Item=CardNo Wiegand Length=WG34 Card Number Mode=Dec WordMode=FP Reader Ext OSDP Unit ID=1

4.6 Quick Operation on terminal

- 4.1.1. click the MENU button to enter the main menu.
- 4.1.2. select Options and set the Clock (Date-Time YYYYMMDDHHMMSS)
- 4.1.3. in Options, set Door Relay
 - 4.1.3.1. Relay Time set the time of door unlock
 - 4.1.3.2. Door Status N.O. (0) normal, N.C. (1) relay energized to lock door
 - 4.1.3.3. Open Tme Out --time of "Door Held Open" alert (require door sensor)
- 4.1.4. Click ESC to go to the main menu and select User to enroll Users and Administrators. When enrolling, note the instructions on the screen.
- 4.1.5. To make changes to other features and functions, see the menu tree on page 15
- 4.1.6. More options and features are available using the SPHINX software. These include:
 - Attach name and personnel information to User ID will display employee name on screen.
 - ♦ Screen background change
 - Door Status Schedule set time when door is open to all, restricted (normal) or locked.
 - ♦ Time Zones set access time restrictions to employees
 - ♦ Flow Control Event and I/O status automated response and configuration
 - ♦ Time & Attendance scheduling and reporting
 - CCTV link IP Camera to record footage on events direct to SPHINX (require PC connected)
 - ♦ Much More...... talk with your supplier for more information.

Chapter 5 Operation in Sphinx

5.1 Install driver for BioUSB-SC03

- 1. If you use FPC3002Q for enrollment, please ignore this step.
- 2. Go to your computer C:\program files (86)\keyking\sphinx4 folder and open Drivers folder.
- 3. Run the BioUSB-SC03 installation.



BioUSB-SC03

5.2 Select FPC3002Q Series

Before you use FPC3002Q, please check the Sphinx version, and make sure the version is after V4.4.2.33.

- 1. Go to Setup menu and select communication configuration from Sphinx main screen.
- 2. Select the "Fingerprint", and choose "FPC3000 Series".

	Communication Configuration	×
	Server	Download Configuration for all fingerprint reader manually Onwindoad Configuration for all fingerprint reader automatically
	Communication	Using Fingerprint Change Log Fingerprint Setup
	Clock Adjustment	FPC1000 Series
	Desktop Reader && Card	☐ FPC2000 Seites ✓ FPC3000 Seites
	DVR	DPU300Dw8 Series
	Intrusion	UPREMA Timeout 5000 Millieccond; BioStar2 Litering Port 51212
About X	Fingerprint	UtRDI Listening Port 9970 🖨 User ID Length (16) 4
	Face Recognition	UniqueD Wiegand Out
KEYKING®	Times Canteen	Viver Viver Viver Viver Viver Viver Viver Viver O Viver Viver O Viver Viver O Viver Viv
	Meeting	ANVIZ
Sphinx 4.4 (NoCardList) Dongle Version; 8 Bytes Version: University (VA 2020 Lest Part Lange 2020/11/5 11/12/05	Send Events Packets	Hott IP Address 0.0.0.0 Eithening Part 5010 C Timeout 2000 Milliseconds Max Unit ID 10 2 Source Model
Version: V4.4.2.33 Last Build Time. 2024/1/3 11.13.06	WEB Check	Anviz 0A99 Anviz U-Bio
Address: 11/a Beary st, Ganey Tikva, 55900,Israel.	School QRCode	Do not get events Osoftware get events Device Upplad events
ZIP Code: 62338	ID Card	Host IP Address 192.168.2.15 📃 Listening Port 7005
TEL: (+86)-755-8829-9009 Fax: (+86)-755-8829-9199	Bank Card	Timeout 5000 🔘 Millseconds
E-Mail: info@keyking.net	SMS Notification	
WEB: http://www.keyking.net	Send Operation Logs	
warning: and can not be used without authorization.		OK Cancel Apply

5.3 Search & Setup Unit ID

- 1. Click "Search" in Controller Configuration, and configure FPC3002Q similar as any other Access controller.
- 2. Click "NET" to search it by TCP/IP.
- 3. Once you find a lots, just highlight the one you would like to configure. Input the IP, Host IP and so on to configure it.
- 4. Click ok, to go back TCP/IP setting.
- 5. Click Exit to go back Search and Upload Controller, choose the FPC3002Q, and click Save to save it into database.
- 6. Done.

KK Controller Configu

ontroller List:													
ontroller ID	Model	Name	Firmware	Connected Line ID		Host PC	СОМЛР	Mac Address Site N	ame	Connect Counter			
	FPC30021 Finger	Print Reader	V03.03		40 DE	SKTOP-ECOL	EFI 192.168.7.202	0010F0016074 Keyki	ng Group	3			
	PPL3002 Finger	Print Reader	VU3.U2		43 DE	SKTUP-ECUL	EFI 192.168.6.160	0010F0016074 Keyki	ng Group	0			
	DI03168F Water	plant gate	V03.02		1 GM	ISC-PC	172 19 58 207	0010F0010FD2 Keyki	ng Group	2			
	DPU3024 The g	ate of the wate	r pla V03.21		4 GM	SC-PC	172.19.58.202	0010F000EFA2 Keyki	ng Group	4			
		KK S	earch and I	Inload Controlle							×		
			rearen ana v	opioud controlle			3.Click S	earch Button			~		
		Sea	rch Options		Pl	ease select c	ontrollers 1	otat 0 PCS	🗹 Do not sha	w existing devices	4.Selec	t the Dev	ice
		0	COM Port	COM1	~ I	D Mo	fel Firmware	COM/IP	dac Address	Site			
		•	тсрлр 🗹	Auto Refre Refre	sh	KK TCP	IP Setting	_				- 0	×
).0.0	. O 🖸 NET	2		Search	Mac Address		IP Address 77	Model	Name	^
			192.168.7.20	02 FPC3002Q			Manual Configure	32 00.10.F0.0	.60.74	192.168.7.202	FPC30020		
		~	192.168.7.10	J5 DPU1044N1 /			individu contiguio	2 00.10.F0.0	14.90	192.168.6.219	DPU2000		
				2.Click NFT	Butt	on	Auto Config	00.10.F0.0		100.100.0.110	21 0 30 00 10	~	
					-		Wizard	🛃 00.10.F0.0	TCP/IP Setting	1		×	
							Reset	📥 00.10.F0.0	Model:	FPC30020			
							Reset All	4 00.10.F0.0	Mac Address:	00.10.F0.0	11.60.74		
							Connect Controller	3 00.10.F0.C	Name:				
						C	nnect All Controllers	4 00.10.F0.0	🗌 Obtain an I	P address automatical	y		
							Exit	4 00.10.F0.0	IP Address:	192	.168.7.2	12	
			2/2 Selec	t All Invert Selec	tion	Done	t show existing devices	4 00.10.F0.0	Mask:	255	.255 . 0 . 0		
			Chan delana			PC Netwo	rk Configuration	34 00.10.F0.0	Gateman	102	168 2 2	10	
			Stanualune	20 EDC2000	<	IP Addres	s: 192.168.2.15		u aleway.	132	.100 . 2 .2		
			rectuuwPPC	au FPU2000		IP Mask:	255.255.248.0	2 00.10.F0.0	Port	8000			
						Gateway	192.168.2.249	📕 00.10.F0.0	Work Mode:	TCP 0	Jient	~	~
			earch			Search fin	shed. Total: 45 PCS.		Host IP:	192	.168.2.1	5	
I.Click	c Search Bi	utton							Host Port	8000	4		
	5		Online:	3					Wifi User Nam	e	/		
			STAILS.						Wifi Password	5.Ch	ange the H	ost IP	
Search	Add	Delete	Edit	Change Ho	ist Carl	H	maked to be conditioned	A80					
Download	Configuration	Download L	oning to All (Lo	Downling Downling	lodato Al		Download Sub Card List to	ot to All Dourdoor	Auto Config		Cancel	_	
ID COLL	10 A.		opdate		opuate Al		Compadiate Cald Li	or to All DOWNload	AF ODITUDEIS POL	no LIOSB			
310 COM.	/IP Stat	us Descr	iption				Progress						
) 1/2.1 4 172.1	3.58.207												
7 1761	0.00.202												

5.3.1 Setup Unit ID (work as an OSDP reader)

Option 1:

The access control software directly connects to fingerprint device, click Setup/Hardware/Controller Configuration/ and the image below will appear, then set the Unit ID.

Other Model Model <th< th=""><th>Film das Genet Selectivo V00.00 C</th><th>Alexin Controller Controlle</th><th>COM/P Mac DEP 10 22 20 00 122 156 20 122 156 20 125 156 20 12</th><th>Adden: Sie Name CC MINISOFA Reprint lines Profiles (Marken State) Profiles (Ma</th><th>ormel Courter</th><th></th></th<>	Film das Genet Selectivo V00.00 C	Alexin Controller Controlle	COM/P Mac DEP 10 22 20 00 122 156 20 122 156 20 125 156 20 12	Adden: Sie Name CC MINISOFA Reprint lines Profiles (Marken State) Profiles (Ma	ormel Courter	
Control Control Fragment Research Fragment Researc	etter - Common - Good - Com Serie - With Color - Com Controller (V10.00	Controller Controller	CONFIDENCIAL C	Address of Name Control Contro	20 20 20 20 4	
TTC:300 POIDt00	adem VVII.02 E e VVII.02 E e VVII.02 E v vviiter pl. VVII.21 E	2 In Section 20 4 Description 4 Description 4 Description 5 Description 10 Descript	Control of the second sec	Interford Leaving Book Finderson Lange Control Strenger Lange Book VICKETAL Leaving Book X t D	0 2 4	
PPRUDBLOPID	Controlled (V10.00 events) events voter pL (V03.21 E	4 DESIGNER 4 DESIGNER 4 DESIGNE 4 DESIGNER 4 DESIG	CONFERENCE CONFERENCE	Fromeetic Lange Device Device Charlenge Device NEXEMAL Failed The Second		
DPU326F Wate part part DPU328 The part of the	ee V03.02 E	1 BMSCPC 1 BMSCPC 4 BMSCPC 6 BMSCPC 6 BMSCPC 6 BMSCPC 7 BMSCPC	T2:159.307 001 12:159.302 001 Model FPC30020 FrogeNet Read PC100020 FrogeNet Read 1 01167:0016074 1 0000 (\$)	Interface (Arganous) (C. Devic VIXXER/A Ledrag line)	Ge 2 4	
■ DPU3024 The gate of the	weiter pl 103.21 E2	Edit a Controller Contoder D Name Fregehan Reader Site Controller	172 1398 302 007 2.Set the Uni Mode PRC3003 Progeher Read 1 192 169, 7 .202 000 2	X t tD		
		CDM Port TCP/IP Mac Address IP Address CDM Rest	0010F0016074 192.168.7.202 8000			
		UnerName	Inchine			
		User Name	keyking			
		Password	******	1		
			07			
			UK Cano			
5	Dn-line: 3					
earch Add Del	lete Edit	Change Host Refresh	Download Sub Card List	Download Emergency Card	Locate	
configuration Down	load Config to All (Local)	Download Config to All	ownload Sub Card List to All (L	Download Fonts	Site Management	
Firmware	Update	Update All	Download Sub Card List to A	Download All Controllers Fonts	Close	
D COM/IP Status I 172.19.58.207 172.19.58.202 192.168.7.202	Description		Progress			

Setup Unit ID: The default Unit ID is 1. If you would change it, please input the Unit ID you would like to put, and click "Ok" to make change.

Option 2:

The access control software directly connects to fingerprint device, click Setup/Hardware/Fingerprint Reader/FPC3000 and the image below will appear.

DESKTOP-ECOUEFI	Parameters Status Schedul	e Door Access Schedule Fi	ngerprint User Flow Control	Event Driver Alarm Clock
🔚 🧞 FPC3002 FingerPrint Reader	Basic Information	1 Change	Name	Finan Print Dander
 192.168.7.202 EPC30020 FingerPrint Beade 	UNICID (USDF)	Change	Name	ringeiriini neadei
1	Firmware Version ch	ange unit ID	Menu Language	English ~
	Screen Saver (S)	10 🗧	Company Name	KEYKING
	Back Ground Picture(320*	240)		<u></u>
	Verification Factor	2:Fingerprint / Card 🗸 🗸	Proximity Card Reader	Disable 🗸
	Active QR Code	Screen ON V	Active QR Code Light	Never ~
	Verify Mode	Terminal Only \sim	Auto Detect FP	Enable \sim
	Multi-FP Detect	Enable \vee	Humidity FP Detect	Enable ~
	Scan Timeout (S)	10	1:1 (Verify)	4:Below Normal V
	1:N	Enable ~	1:N (Identify)	5:Normal ~
	Work Mode	1:Fingerprint Reader V	Get Events	Yes 🗸
	Installation Location	Entry ~	OSDP Reader ID (Inside)	1
	Display Mode	User ID + User Name + C 🗸 🤜	Buzer Alarm	Door Opened Too Long
	LED Control	Low Level 🗸 🗸]	Valid Card
	Buzzer Control	Low Level \sim]	
	Wiegand_Output Item	Card Number \sim	Wiegand Length	Weigand 26 🗸 🗸
	🗹 Door Sensor	Normally Open 🗸 🗸	Sensor Anti-shake(MS)	20 ~
	Lock Open Time(S)	5	Lock Monitor Time(S)	20
	Super PIN	× 00000000 ‡	- Menu Password	00000000
	Tamper Alarm	Disable \checkmark	Network Parameter	Configurable \sim
	As Enroller		Default	Paste Set All

Change Unit ID: Input the Unit ID you would like to put, and click "Change" to make change.

The unit ID should be matched with Reader/door number of Access controller. For example: Keyking DPU3048-OS (4 doors, 8 readers).

Unit ID (OSDP)	Wiegan	d Reader	DPU: Access	048-OS Controller	
1	Door 1#	In	Door 1#	In	
2	D001 1#	Out	D001 1#	Out	
3	Door 2#	In	Door 2#	In	
4	D001 2#	Out	D001 2#	Out	
5	Deer 2#	In	Deer 2#	In	
6	D001 3#	Out	D001 3#	Out	
7	Deer 4#	In	Door 4#	In	
8		Out	D001 4#	Out	

5.3.2 Change Unit ID (work as an OSDP reader)

Option 1:

Click Setup/Hardware/Controller Configuration in Sphinx, and the image below will appear. Setup the Unit ID, and click Ok to confirm.

	Comgaration										
oller List											
ontrollen <mark>ID</mark>	Model	Namo	Firmware C	ienneeted Line ID	Heat PC	COM/IP	Mac Addre	ss Site Name	Connect	Counter	
	FPC3002[Finger	Print Reader	V03.03	✓ 4	0 DESKTOP-ECOUE	FI 192.168.7.202	0010F001	5074 Keyking Group		3	
_	FPC3002 Finger	Print Reader	V03.02	<i>(</i>	3 DESKTUP-ECODE	FI 168.6.160	0010F001	5074 Keyking Group		0	
	DPU3048 DPU3	048-OSController	(4V10.01		4 DESKTOP-ECOUE	FI 192.168.6.144	0010F001	BBS Keyking Group		0	
	DIU3168F Water	plant gate	V03.02	M	1 GMSC-PC	172.19.58.207	0010F009	JROC Kelkling Globb	Device	2	
	∎ DPU3024 The g	ale of the water p	& v03.21	Edita + Control D D Trin Sate C C C C C C C C C C C C C C C C C C C	4 GMSCPC Centroller e epePirit Reador king Group enerotion CDM Pat CDM Pat D CDM Pat D CP/IP MacAddess CDM Pot	2.Set the del 0010F0016074 192.168.7 .; 0000 994ng	e Unit ID Read v			ī	
				Pas	sword						
					-						
						OK	Cancel				
]			
tal:	5		On-line: 3								
	Add	Delete	Edit	Change Host	Refresh	Download Sub Cr	ard List	Download Emergen	cy Card	Locate	
Search			nfig to All (Loca	i) Download	Config to All	wnload Sub Card List	to All (Loca	Download Fon	ts Site	Management	
Search Downloa	d Configuration	Download Co				Download Sub Card	List to All	Download All Controll	ers Fonts	Close	
Search Downloa Fi	d Configuration	Download Co Up	date	Up	tate All						
Search Downloa Fi	d Configuration irmware	Download Co Up	date	Up	tate All	-					
Search Downloar Fi 1e ID COM	d Configuration irmware 1/IP Stal	Download Co Up tus Descript	date ion	Up	sate All	ogress					
Search Downloa Fi ne ID COM 1 172	d Configuration irmware 4/IP Stat .19.58.207	Download Co Up tus Descript	date ion	Up	Jate All	ogress					
Search Downloai Fi 1e ID COM 1 172 4 172	d Configuration irmware 4/IP Stal .19.58.207 .19.58.202	Download Co Up tus Descript	date ion	Up	fate All	ogress					
Search Downloa- Fi ne ID COM 1 172 4 172 40 192	d Configuration imware 4/IP Stat 19.58.207 19.58.202 168.7.202	Download Co Up tus Descript	date ion	Up	Pi	ogress					
Search Downloa Fi 1 172 4 172 40 192 43 192	d Configuration imware 4/IP Stat 19.58,207 19.58,202 158,7,202 158,6,160	Download Co Up tus Descript	date ion	Up	Pi	ogress					
Search Downloa Fi b ID COM 1 172 4 172 40 192 43 192 44 192	d Configuration imware 4/IP Stal 19.58,207 19.58,202 188,7,202 188,6,160 188,6,144	Download Cor Up tus Descript	date	Up	Pi	ogress					

Option 2:

Click Setup/Hardware/Fingerprint Reader/FPC3000 in Sphinx, and the image below will appear.

Setup the Unit ID, and click Change to confirm.

🔀 Fingerprint Reader	- 0	×
V 😏 DESKTOP-ECOUEFI	Parameters Status Schedule Door Access Schedule Fingerprint User Flow Control Event Driver Alarm Clou	ck 💶
✓ - 5 192, 168, 6, 160 EPC3002 FingerPrint Beader	Basic Information	
 ✓	Unit ID (OSDP) 1 Change Name FingerPrint Reader	
🔤 FPC3002Q FingerPrint Reade	Firmware Version change unit ID Menu Language English	\sim
	Screen Saver (S) 10 E Company Name KEYKING	
	Back Ground Picture(320°240)	
	Verification Factor 2: Fingerprint / Card Verification Factor Disable	\sim
	Active QR Code Screen ON V Active QR Code Light Never	\sim
	Verify Mode Terminal Only ~ Auto Detect FP Enable	\sim
	Multi-FP Detect Enable V Humidity FP Detect Enable	\sim
	Scan Timeout (S) 10 🕞 1:1 (Verify) 4:Below Normal	\sim
	1:N Enable V 1:N (Identify) 5:Normal	\sim
	Work Mode 1:Fingerprint Reader V Get Events Yes	\sim
	Installation Location Entry OSDP Reader ID (Inside) 1	
	Display Mode User ID + User Name + C Buzer Alarm	ong
	LED Control Low Level Valid Card	
	Buzzer Control Low Level ~	
	Wiegand_Output Item Card Number v Wiegand Length Weigand 26	\sim
	☑ Door Sensor Normally Open ∨ Sensor Anti-shake(MS) 20	\sim
	Lock Open Time(S) 5 E Lock Monitor Time(S) 20	
	Super PIN * 00000000 # Menu Password 00000000	
	Tamper Alarm Disable V Network Parameter Configurable	\sim
< >	As Enroller Default Paste Se	et All
Find Copy	Paste Set All OK Cancel	Apply

Change Unit ID: Input the Unit ID you would like to put, and click "Change" to make change.

5.4 Configure FPC3002Q

5.4.1 Parameter

DESKTOP-I20P2D3	Parameters Status Sched	ule Door Access Schedule	e Fin	gerprint User Flow Control	Event Driver Alarm Clock
192.168.5.102	Basic Information				
5 192.168.5.103	Unit ID (OSDP)	1 Chan	ge	Name	Biometric Reader
192.168.5.104 192.168.5.105	Firmware Version	V03.03		Menu Language	English
3 192.168.5.106	Screen Saver (S)	10	٢	Company Name	KEYKING
5 192.168.5.107 5 192.168.5.108	Back Ground Picture(320	D*240)			<u>(</u>
192.168.124.122 FPC3002Q Biometric Reader	Verification Factor	2:Fingerprint / Card	~	Proximity Card Reader	Disable
	Active QR Code	Screen ON	~	Active QR Code Light	Never
	Verify Mode	Terminal Only	~	Auto Detect FP	Enable
	Multi-FP Detect	Enable	\sim	Humidity FP Detect	Enable
	Scan Timeout (S)	10	۲	1:1 (Verify)	4:Below Normal
	1:N	Enable	\sim	1:N (Identify)	5:Normal
	Work Mode	1:Fingerprint Reader	\sim	Get Events	Yes
	Installation Location	Entry	\sim	OSDP Reader ID (Inside)	1
	Display Mode	User ID + User Name + I		Buzer Alarm	Door Opened Too Long
	LED Control	Low Level	\sim		Valid Card
	Buzzer Control	Low Level	\sim		
	Wiegand_Output Item	Card Number	\sim	Wiegand Length	Weigand 34 🗸
	🖂 Door Sensor	Normally Open	\sim	Sensor Anti-shake(MS)	20 、
	Lock Open Time(S)	5	۲	Lock Monitor Time(S)	20
	Super PIN	* 00000000	#	Menu Password	0000000
	Tamper Alarm	Disable	\sim	Network Parameter	Configurable
	As Eproller			Default	Pasta Set Al

Proximity Card Reader:

- "Disable", will disable proximity card, and will support Mifare card only.
- "Enable", will support Mifare and Proximity card.

Parameters	Status Schedule	Door Access Sch	edule Fir	ngerprint User	Flow Control	Event Driver	Alarm Clock	•
Basic Inf	ormation							
Unit ID (0	(SDP)	1 0	Change	Name		Biometric Rea	der	
Firmware	Version	V03.03		Menu Lang	uage	English	~	
Screen S	aver (S)	10	٢	Company N	ame	KEYKING		
Back Gro	ound Picture(320*2	240)					<u></u>	
Verificatio	on Factor	2:Fingerprint / Card	~	Proximity Ca	ard Reader	Disable	~	1
Active Q	R Code	Screen ON	~	Active QR 0	Code Light	Disable Enable		L
Verify Mo	de	Terminal Only	~	Auto Detect	t FP	Enable	~	1
Multi-FP I	Detect	Enable	~	Humidity FP	Detect	Enable		
Scan Tim	neout (S)	10	٢	1:1 (Verify)		4:Below Norm	ial ~	
1:N		Enable	~	1:N (Identify	e)	5:Normal	~	
Work Mo	de	1:Fingerprint Reade	a ~	Get Events		Yes	~	
Installatio	n Location	Entry		OSDP Rea	der ID (Inside)	1	٢	
Display N	lode	User ID + User Nam	ne + Ci 🗸	Buzer Alarm	1	Door Opened Too Long		
LED Con	trol	Low Level	~			Valid Car	d open	
Buzzer C	ontrol	Low Level	~					
Magand	Outruit Item	Couldhashee		Manandle	anath	Wainand 24		

Disable is the default option, because once the proximity reader was enable, it will require more current for FPC3002Q, and FPC3002 will be hotter.

Active QR Code: "Never", disable; "Screen ON", when the screen on, active the QR Code function; "Always", active the QR Code function all the time.

KEYKING GROUP

Active QR Code	Screen ON 🛛 🗸 🗸	Active QR Code Light	Never 🗸	
Verify Mode	Never	Auto Dotoot EP	Never	
	Screen ON	Auto Detect FF	Object Close to	
Multi-EP Detect	Always	Humidity FP Detect	Always	

Active QR Code Light: "Never", the light will be always off; "Object Close to", lights up when an object approaches; "Always", the light will be always on.

Super PIN: "Super PIN" is the password to open this door, you can put any 8 digitals.

						16:33 河 🛍 🗷 👼	10 (72
						KeykingLock	0
						Temporary PIN Creactor	
						The Temporary PIN will be valid in 5 minut used repeatedly.	es, and can b
						Please type:	
ameters Status Sched	lule Door Access Sched	ule Fin	gerprint User Flow Control	Event Driver Alar	n Clock 💶 🕨	1) Administrator Password of FP lock.	
Basic Information	1		N	Rissatis Res 1		2) Supper PIN of the door.	
Jnit ID (USDP)	L Cha	inge	Name	Biometric Header		Administrator Decoword*	
imware version	10		Menu Language		~	Administrator Password*	
ack Ground Picture(32	0*240)	•	Company Name	KETKING GROOP		please input here	
/erification Factor	2:Fingerprint / Card		Proximity Card Reader	Disable			
ctive QR Code	Screen ON	~	Active QR Code Light	Never	~	Generate	
erify Mode	Terminal Only	~	Auto Detect FP	Enable	~		
fulti-FP Detect	Enable	~	Humidity FP Detect	Enable	~		
ican Timeout (S)	10		1:1 (Verify)	4:Below Normal	~	Notes:	
:N	Enable	~	1:N (Identify)	5:Normal	~		
Vork Mode	1:Fingerprint Beader	~	Get Events	Yes		1) Fingerprint lock (offline version): based	on administra
nstallation Location	Entry	~	OSDP Reader ID (Inside)	1		er ann 18 18 19	
Display Mode	User ID + User Name -	+ Ci 🗸	Buzer Alarm	🗾 Door Opened 1	oo Long	password.	
ED Control	Low Level	~		Door Forced 0	pen		
Buzzer Control	Low Level	~				2) Access Control: Door based Super DIN	
√iegand_Output Item	Card Number	~	Wiegand Length	Weigand 34		2) Access Control. Door based Super PIN.	
	Normally Open	~	Sensor Anti-shake(MS)	20	~		
Door Sensor				20			
⊴ DoorSensor ∟ock Open Time(S)	5	٢	Lock Monitor Time(S)	20	.		
Door Sensor Lock Open Time(S) Super PIN	5 * 00000000	*	Lock Monitor Time(S) Menu Password	00000000	•		

Temporary PIN:

- Temporary PIN will be valid in 5 minutes, and can be used repeatedly.
- Temporary PIN will be created by "Super PIN".

Steps to make Temporary PIN:

- Run "Wechat" Weixin APP from a smart phone, Android or IOS.
- Search "KeykingLock" *Mini Program* from Wechat.
- Choose "KeykingLock" to run.
- Input the "Super PIN", you will get "Temporary PIN" for 5 minutes to use.
- The "Temporary PIN" can be used to open the door.

16:46 🖪 🗟 🙆	•	(86) Itre Itre 😤 🖇 🕲	16:47 📧	2 6 🖱 题	(1) % ⁽²⁾	'86) Itte Itte ?	16:33 🗇 🕲 🗷	0	in s	r, 72.		
	Rece	nt Q Search	< keyl	kinglock	(Search		KeykingLock	•••	0		
Music & Aud			Mini Pro	grams				Temporary PIN Creacto	r			
	્યાં	▶ 衣流派推广曲 Single	K	KeykingLock	k		The Temporary F	PIN will be valid in 5 min	utes, and o	can be		
Music	Audio	Played Recently	K	Keying tempor	orary password g 科技有限公司	enerator。	used repeatedly.					
		s More >		(a) ((((())))) ((((())))))			Please type:					
*	KK		本溪开锁 汽车钥匙	本溪开锁换锁 服条热线·187	炎 740133733		1) Administrator	Password of FP lock.				
KKlock	金凯云	金凯云 对外收款 收钱吧		02442858110	。本溪放心 <mark>锁王</mark> ,	经工商注	2) Supper PIN of the door.					
				◎ 本湊巾明山2	区安心钡并钡行		Administrator Pa	assword*				
助手			D 2504	李文锁城龙里	里店		please input he	re				
风火通 My Mini Proc	码上餐厅	美团点餐银台		 	里换锁、龙里配产 ,龙里开修保险相 锁城	に年钥匙、龙 [、龙里公		Generate				
展 長数				牛牛控车 T-BOX控车模均 条玉机远程控4	块应用领先的云远 车 远程寻车 T	位技术,具	Notes:					
				◎ 中山市澳多电	电子科技有 Usa	d by 4 friend(s)	1) Fingerprint lo	ck (offline version): base	d on admi	nistrator		
				<mark>3.7分</mark> (370条) >	>		password.					
			同城开锁	开锁电话附斤 附近开锁电话: 公里。开锁换银 ● 长沙亿家修网	〒100米 : 181-2222-034 锁修锁,售指纹镜 网络科技有限 1	5.距离: 0.8 〔, 保险柜 000+人最近使用	2) Access Contro	ol: Door based Super PIN	I.			
		in Q 🕀		WiFi密码一键 wifi一键连破解	建查看 军,万能wifi一键连,	wifi破解大						
The te	mporary pas 1389811	ssword is										
	Done											
	Сору											

Menu PIN: "Menu PIN" is the password to manage FPC3002Q, which is as same as "Admin User". If there is no any "Admin User" or "Menu PIN", anybody can manage FPC3002Q through Keypads.

- "00000000" is default, invalid also.
- Please setup Menu PIN, and remember it.

As Enroller: Once you choose "As Enrolloer", this device will be appeared in "Enroller Device" list of Persernal information.

- 5 192.168.5.101	Basic Information					Basic Information	_			
3 192 168 5 103	Unit ID (OSDP)	1 Change	Name	Biometric Reader			Use Fingerprint			
- 5 192.168.5.105	Firmware Version	V03.03	Menu Language	English	~	Card	Fingerprint Information			
192.168.5.106	Screen Saver (S)	10	Company Name	KEYKING			Private Auth Mode	Card / Fingerprint	~	FPC3000
5 192.168.5.108	Back Ground Picture(32	10*240)			<u></u>	Access Level		Device Default	2	WFLO-01
FPC3002Q Biometric Reader	Verification Factor	2:Fingerprint / Card	 Proximity Card Reader 	Disable	~		Eingerprint Tupe	Normal Llear		
	Active QR Code	Screen ON	 Active QR Code Light 	Never	~	Fingerprint	T ingotpaint Type	Normal Creek		
	Verity Mode Terminal Only 🗸	 Auto Detect FP 	Enable			Fingerprint PIN		Use Access Ca	d PIN	
	Multi-FP Detect	Enable	 Humidity FP Detect 	Enable		Face Info	Enroll Device	Biometric Reader	 ✓ Refresh 	
	Scan Timeout (S)	10	1:1 (Verily)	4:Below Normal	~		1:1 Security Lev	4:Below Normal		
	1:N	Enable	 1:N (Identify) 	5:Normal	~		1st Finger		2nd Finger	
	Work Mode	1:Fingerprint Reader	 Get Events 	Yes	~	⇒ € ma				
	Installation Location	Entry	 OSDP Reader ID (Inside) 	1	\$					
	Display Mode	User ID + User Name + C(Buzer Alarm 	Door Opened T	Long					
	LED Control	Low Level	~	Valid Card						
	Buzzer Control	Low Level	~							
	Wiegand_Output Item	Card Number	 Wiegand Length 	Weigand 34	~					
	🛃 Door Sensor	Normally Open	 Sensor Anti-shake(MS) 	20	~					
	Lock Open Time(S)	5	Lock Monitor Time(S)	20	•		Com	Delete	- Com - Dat	ata
	Super PIN	• 00000000	# Menu Password	00000000			Scan	D-BiB/B	Der	010
	Tamper Alarm	Disable	 Network Parameter 	Configurable	~		Verify		Venity	

5.4.2 Status Schecule



When FPC3002Q work as a standalone/Terminal, you can setup the Status Schedule.

For example, 8:00 am is the time for work, and we can keep the door always open for every employee, and the door will be closed from 8:30.

Door Status Time	e Set					>	×	Door Status Time	e Set					×
Status Time								Status Time						
Start Time	8	Ф н	0 🗯 м					Start Time	8	Э н	30 📚 м			
Entry Status	Alwa	ys Open	v 0	None O	In	Out		Entry Status	Norr	nal	 • • 	None C)In	Out
Valid Date Set								Valid Date Set						
🗌 Sunday	🗾 Monday	🗾 Tuesday	🖬 Wednes	day 🗾 Thursday	Friday	🗌 Saturday		🗌 Sunday	🗾 Monday	🔽 Tuesday	🗹 Wednes	day 🔽 Thursday	🗹 Friday	Saturday
🗆 H1	🗆 H2	🗆 НЗ	🗆 H4	🗆 H5	🗆 H6	🗆 H7		🗆 H1	🗌 H2	🗆 НЗ	🗆 H4	🗆 H5	🗆 H6	□ H7
🗆 T1	🗆 T2			Week Days	Weekend	Holidays		🗆 T1	🗆 T2			Week Days	Weekend	Holidays
					OK	Cancel							OK	Cancel

DESKTOP-I20P2D3	Parameters	Status Schedule	Door Access So	hedule	Fing	perprint	User	Flow	Control	Ev	ent Dri	ver A	Alarm C	lock	•
>	Time	Status	S	М	T	w	T	Fri	Sat	H1	H2	H3	H4	H5	H
>	O:00	Normal Always Open	×	×	×	×	×	×	×	×	×	×	×	ж	×
	Ø 08:30	Normal		ж	ж	×	ж	ж							
- 😴 192.168.5.107	00:00	Normal													
> 🖳 192.168.5.108	00:00	Normal													
• • 1 92.168.124.122		Normal													
FPU3002Q Biometric Reader	00:00	Normal													
	© 00:00 © 00:00	Normal Normal Normal													
	00:00	Normal													
		Normal													

Of course, you can refer to the manual of Sphinx.

5.4.3 Door Access Schedule

Image: Desk TOP-120P2D3 Parameters Status Schedule Door Access Schedule Fingerprint User Flow Control Event Driver Alarm Clock Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 Image: Desk ToP-120P2D3 </th <th>📧 Fingerprint Reader</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>-</th> <th>-</th> <th>)</th> <th>×</th>	📧 Fingerprint Reader										-	-)	×
Image: State	✓ - 100 DESKTOP-120P2D3 →	Parameters Status	s Schedule	Door Acc	cess Schedul	e Fingerp	rint Use	r Flow	Control	Even	Driver	Alarm Cl	ock 🖣	F
Image: Second	> 👿 192.168.5.102	ID	Name											
S Total Society Society <t< td=""><td>></td><td><u></u></td><td>24 Hours</td><td>Time Table</td><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	>	<u></u>	24 Hours	Time Table	9									
> S 192 168 5.106 S 3 Night Time Table > S 192 168 5.107 S 4 Time Table 4	> ····································	C 2	Day Time	Table										-
> 😽 192.168.5.107 🔯 4 Time Table 4	>	3	Night Tim	ie Table										
	> - 3 192.168.5.107	<u>o</u> 4	Time Tab	le 4										
>	> - 😴 192.168.5.108	5	Time Tab	le 5										
▼ · ♥ 192.168.124.122 0 6 Time Table 6	✓ 💌 192.168.124.122	O 6	Time Tab	le 6										
FPC3002Q Biometric Reader	FPC3002Q Biometric Reader	07	Time Tab	le 7										
CO 8 Time Table 8		8	Time Tab	le 8										
		0 9 8 10	Time Tab	le 9 I- 10										
		N 11	Time Tab	le IU										
			Time Tab	le 12										
C 12 Time Table 13		N 13	Time Tab	le 13										
		a 14	Time Tab	le 14										
IS Time Table 15		0 15	Time Tab	le 15										
Time Zone S M T Fri Sat H1 H2 H3 H4 H5 H6 H7 T1 T2		Time Zone	S	м т	₩ T	Fri Sat	H1	H2 H	H3 H4	H5	H6	H7 T1	T2	
© 00:00 · 24:00 * * * * * * * * * * * * * * * *		O0:00 - 24:00	м	н н	и и	ж ж	ж	ж	н н	ж	ж	ж		
📀 00:00 - 00:01		O0:00 - 00:01												
📀 00:00 - 00:01		O:00 - 00:01												
📀 00:00 - 00:01		O0:00 - 00:01												
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🕝 00:00 - 00:01		00:00 - 00:01												
🚱 00:00 - 00:01		6 00:00 - 00:01												

5.4.4 Fingerprint User

Of course, you can refer to the manual of Sphinx.

5.4.5 Flow Control

You can refer to the manual of Sphinx.

5.4.6 Events Drive

You can refer to the manual of Sphinx.

5.4.7 Alarm Clock

You can refer to the manual of Sphinx.

5.4.8 Wiegand Format

5.4.9 Channel Mapping

You can refer to the manual of Sphinx.

5.4 Enrolling finger for user

- 1. Enrolling fingerprint through one of FPC3002Q in "personnel information / Fingerprint".
- 2. Choose the enroll device: Enroller BioUSB-SC03 or any FPC3000 terminal when it is working as an Enroller.
- 3. Choose Fingerprint type for this user:
 - (A) Normal User: normally most of user should be Normal user.
 - (B) Admin User: Admin User can manage the FPC3000 by keypad. If there is no any Admin User for the FPC3000, everybody can manage FPC3000 by keypad. Once an "Admin User" was existing, then only Admin User can access the menu to manage it.
- 4. Click Scan to enroll fingerprint for the user.
- 5. Click Apply or Ok to download Fingerprint to FPC3000.
- 6. Done.

Personal Information		×	Personal Information	×
Basic Information	FPC1000 FPC3000 & WFL0	-01	Basic Information	FPC1000 FPC3000 & WFL0-01
Card	Fingerprint Information Private Auth Mode	Card / Fingerprint FPC3000	Card	Fingerpint Information Private Aut Mode Private Aut Mode Private Automation Private Autom
Access Level		Device Default VFL0-01	Access Level	Device Default VFL0-01
Fingerprint	Fingerprint Type Fingerprint PIN	Normal User	Fingerprint	Fingerpint Type Admin User
Face Info	Enroll Device	FPC3002FingerPrint Reader V Refresh	Face Info	Enroll Device FPC3002FingerPrint Reader V Refresh
	La Friger	Delete Scan Delete		1 a Finger 1 a Finger Scan Delete Verity Verity
Card Events QR Co	ode Card Print	OK Cancel Apply	Card Events QR	Code Card Print OK Cancel Apply

Choose Enroll Device

Choose Type

5.5 Classic application



5.5.1 Change Company name

	D			>	Welcome to Use!
■ DESKTOP-ECODEFT ~ - ■ 192.168.6.160	Parameters Status Schedu	ule Door Access Schedule Fi	ngerprint User Flow Control	Event Driver Alarm Clock	
FPC3002 FingerPrint Reader	Basic Information Unit ID (OSDP)	1 Change	Name	FingerPrint Reader	
FPC3002Q FingerPrint Reade	Firmware Version	V03.03	Menu Language	English	
	Screen Saver (S)	10	Company Name	KEYKING	
	Back Ground Picture(320	0*240)	-		
	Verification Factor	2:Fingerprint / Card 🔍	Proximity Card Reader	Disable ~	
	Active QR Code	Screen ON \sim	Active QR Code Light	Never ~	
	Verify Mode	Terminal Only \sim	Auto Detect FP	Enable \sim	
	Multi-FP Detect	Enable \lor	Humidity FP Detect	Enable \sim	Chasse a misture t
	Scan Timeout (S)	10	1:1 (Verify)	4:Below Normal \sim	Choose a picture i
	1:N	Enable \vee	1:N (Identify)	5:Normal \sim	replace Keyking
	Work Mode	1:Fingerprint Reader 🛛 🗸	Get Events	Yes ~	
	Installation Location	Entry \sim	OSDP Reader ID (Inside)	1	
	Display Mode	User ID + User Name + C 🗸 🗸	Buzer Alarm	Door Opened Too Long	
	LED Control	Low Level \sim		Valid Card	
	Buzzer Control	Low Level \sim			
	Wiegand_Output Item	Card Number \sim	Wiegand Length	Weigand 26 🗸 🗸	
	🗹 Door Sensor	Normally Open \sim	Sensor Anti-shake(MS)	20 ~	
	Lock Open Time(S)	5	Lock Monitor Time(S)	20	
	Super PIN	* 00000000 #	Menu Password	00000000	
	Tamper Álarm	Disable 🗸	Network Parameter	Configurable ~	

ī

5.5.2 Change BackGround picture

Choose a picture which is 320 * 240 pixels, and click "Apply". The picture should be Jpg, Bmp format.

5.5.3 Choose the FPC3002Q location (Work as terminal)

FPC3002Q is installed outside of door:

Option 1: Card reader (OSDP Only) is inside of the door, and FPC3002Q is outside.



When the FPC3002Q is installed outside the door as below picture, please choose "Entry", and click "Apply".

🕊 Fingerpri	nt Reader				_	×
🗸 🎲 DESK	TOP-ECOUEFI	Parameters Status Schedu	le Door Access Schedule 1	Fingerprint User Flow Control	Event Driver Alarm Cloo	ck 💶 🕨
💙 😽 19	92.168.6.160	Davia Information				
	FPC3002 FingerPrint Reader	Dasic Information			E DIND I	
V · 💌 19	52.168.7.202 EBC20020 EineerPrint Baarda	Unit ID (USDP)	Lhange	Name	FingerPrint Reader	
	rrc3002Q ringeiriini heade	Firmware Version	V03.03	Menu Language	English	~
	FPC3002Q is	s preen Saver (S)	10	Company Name	KEYKING	
	installed on the	e ack Ground Picture(320	*240)			
	entry of door	erification Factor	2:Fingerprint / Card	Proximity Card Reader	Disable	\sim
		ctive QR Code	Screen ON	 Active QR Code Light 	Never	\sim
		Verify Mode	Terminal Only	 Auto Detect FP 	Enable	\sim
		M Detect	Enable	Humidity FP Detect	Enable	\sim
		Scan Time (S)	10	1:1 (Verify)	4:Below Normal	~
		1:N	Enable	 1:N (Identify) 	5:Normal	~
		Work Mode	1:Fingerprint Reader	Get Events	Yes	~
		Installation Location	Entry	OSDP Reader ID (Inside)	1	
		Display Mode	User ID + User Name + Ca	Buzer Alarm	Door Opened Too Lo	ong
		LED Control	Low Level	1	Valid Card	Outside OSDP
		Buzzer Control	Low Level	/		reader
		Wiegand_Output Item	Card Number	 Wiegand Length 	Weigand 26	l J
		🗹 Door Sensor	Normally Open	 Sensor Anti-shake(MS) 	20	~
		Lock Open Time(S)	5	Lock Monitor Time(S)	20	
		Super PIN	× 00000000	# Menu Password	0000000	
		Tamper Alarm	Disable	 Network Parameter 	Configurable	~
		As Enroller		Default	Paste Se	et All
*	>					
E. 1	-	- · · · · · · · · · · · · · · · · · · ·		01/		A h -

FPC3002Q is installed inside of door:

Option 2: Card reader (OSDP Only) is outside of the door, and FPC3002Q is inside.



When the FPC3002Q is installed outside the door as below picture, please choose "Entry", and click "Apply". In case of this, the external OSDP reader become "Outside" automatically.

DESKTOP-ECOUEFI	Parameters	Status Schedule	Door Access Schedule	Finger	rprint User Flow Control	Event Driver Alarm Clock
📕 👆 FPC3002 FingerPrint Reader	Basic Infi	ormation	1 Change			Cinera Drink Decider
192.168.7.202 FPC3002Q FingerPrint Reade	UnitiD (L	JSDFJ [Loo oo		Name	
	Firmware	Version	VU3.U3	M	lenu Language	English ~
	Screen S	aver (S)	10		Company Name	KEYKING
	Back Gro	ound Picture(320*2	40)			
		in Factor	2:Fingerprint / Card	~ F	Proximity Card Reader	Disable ~
FPC3002Q	15	R Code	Screen ON	~ A	Active QR Code Light	Never ~
installed on	the	de	Terminal Only	~ A	Auto Detect FP	Enable ~
exit of door.		Detect	Enable	×	lumidity FP Detect	Enable ~
		neout (S)	10	1	:1 (Verify)	4:Below Normal ~
	1:N		Enable	~ 1	:N (Identify)	5:Normal ~
	Work Mo	ode	2:Fingerprint Standalone	~ 0	iet Events	Yes 🗸
	Installatio	on Location	Exit	~ 0)SDP Reader ID (Outside)	1
	Display N	1ode [User ID + User Name + Ca	~ B	Buzer Alarm	Door Opened Too Long
	LED Con	trol	Low Level	\sim		Valid Card
	Buzzer C	ontrol	Low Level	\sim		
	Wiegand	Output Item	Card Number	\sim V	Wiegand Length	Weigand 26 🗸 🗸
	🗹 Door	Sensor	Normally Open	~ S	ensor Anti-shake(MS)	20 ~
	Lock Op	en Time(S)	5	t L	.ock Monitor Time(S)	20
	Super PI	N	× 00000000	# M	fenu Password	0000000
	Tamper A	Alarm	Disable	~ N	letwork Parameter	Configurable ~
		llor			Default	Deste Cat Al

5.5.4 Choose the Unit ID of external OSDP reader (Work as terminal)

If we will install an external reader work with FPC3002Q standalone, we need know below things:

- FPC3002Q only support OSDP external reader, will not support external Wiegand reader.
- The unit id of OSDP external reader should be in the range 1—126 (From 1 to 126).

🔀 Fingerprint Reader				- 🗆 X]
 ✓ (1) DESKTOP-ECOUEFI ✓ (1) 192-168.6.160 ✓ (1) 192-168.6.160 	Parameters Status Schedu	ule Door Access Schedule Fir	ngerprint User Flow Contro	I Event Driver Alarm Clock ••	
Sector 192.168.7.202	Unit ID (OSDP)	1 Change	Name	FingerPrint Reader	
FPC3002Q FingerPrint Reade	Firmware Version	V03.03	Menu Language	English 🗸	
	Screen Saver (S)	10	Company Name	KEYKING	Unit ID of OSDP
	Back Ground Picture(320	D*240)			external reader
	Verification Factor	2:Fingerprint / Card 🔍	Proximity Card Reader	Disable \sim	
	Active QR Code	Screen ON V	Active QR Code Light	Never \sim	
	Verify Mode	Terminal Only \sim	Auto Detect FP	Enable \vee	
	Multi-FP Detect	Enable \sim	Humidity FP Detect	Enable \vee	
	Scan Timeout (S)	10 😭	1:1 (Verify)	4:Below Normal 🗸 🗸	1
	1:N	Enable \sim	1:N (Identify)	5:Normal	
	Work Mode	2:Fingerprint Standalone 🔍	Get Events	Yes 🗸	
	Installation Location	Exit 🗸	OSDP Reader ID (Outsid	e) 1	
	Display Mode	User ID + User Name + C 🗸 🧹	Buzer Alarm	Door Opened Too Long	
	LED Control	Low Level \sim		Valid Card	
	Buzzer Control	Low Level \checkmark			
	Wiegand_Output Item	Card Number \sim	Wiegand Length	Weigand 26 🗸 🗸	
	Door Sensor	Normally Open \sim	Sensor Anti-shake(MS)	20 ~	
	Lock Open Time(S)	5	Lock Monitor Time(S)	20	
	Super PIN	× 00000000 #	Menu Password	0000000	
	Tamper Alarm	Disable \sim	Network Parameter	Configurable ~	
< >	As Enroller		Default	Paste Set All	
Find Copy	Paste Set A	H	OK	Cancel Apply	

a) When the FPC3002Q is installed outside the door, we need choose "Entry", then you will see "OSDP Reader (inside)", and please choose the Unit ID of the OSDP reader which is installed on the inside of the door.

b) When the FPC3002Q is installed inside the door, we need choose "Exit", then you will see "OSDP Reader (Outside)", and please choose the Unit ID of the OSDP reader which is installed on the outside of the door.

5.5.5 To open the door by Temporary PIN

Super PIN: "Super PIN" is the password to open this door, you can put any 8 digitals.

					16:33 🗿 💩 👼 🦷 👘 👘	72)
					KeykingLock ···	0
					Temporary PIN Creactor	
					The Temporary PIN will be valid in 5 minutes, and can	be
					used repeatedly.	
					and the surgery.	
					Please type:	
					1) Administrator Decouvery of ED look	
ameters Status Sched	lule Door Access Schedule	Fingerprint User Flow Contro	Event Driver Alarm	Clock 💶	1) Administrator Password of FP lock.	
asic Information					2) Supper PIN of the door.	
Jnit ID (OSDP)	1 Chang	ge Name	Biometric Reader		<u>, п</u>	
irmware Version	V03.03	Menu Language	English	~	Administrator Password*	
icreen Saver (S)	10	Company Name	KEYKING GROUP			
ack Ground Picture(32	0*240)				please input here	
erification Factor	2:Fingerprint / Card	Proximity Card Reader	Disable	~		
active QR Code	Screen ON	 Active QR Code Light 	Never	~	Generate	
erify Mode	Terminal Only	 Auto Detect FP 	Enable	~		
fulti-FP Detect	Enable	Humidity FP Detect	Enable	~		
can Timeout (S)	10	1:1 (Verify)	4-Below Normal	~	Notes:	
::N	Enable	 1:N (Identifu) 	5:Normal	~		
Vork Mada	1 Francis Reads	Cat Events			1) Fingerprint lock (offline version): based on adminis	trat
	T: Hingerprint Header	Cet Events	Yes	~		
istanaturi Lucaturi	Ling D - Line North S	Cour neader D (Inside)	Deer Operad Ta			
vispiay Mode	User ID + User Name + L	Juzer Alarm	Door Opened To	en	passwora.	
ED Control	Low Level	V	Valid Card			
ED Control					2) Access Control: Door based Super PIN.	
ED Control Buzzer Control	Low Level	✓			-,	
LED Control Buzzer Control "Viegand_Output Item	Low Level Card Number	 ✓ ✓ Wiegand Length 	Weigand 34	~	-,	
LED Control Buzzer Control Wiegand_Output Item Door Sensor	Low Level Card Number Normally Open	 Wiegand Length Sensor Anti-shake(MS) 	Weigand 34		-,	
LED Control Buzzer Control Wiegand_Output Item Door Sensor Lock Open Time(S)	Low Level Card Number Normally Open 5	Wiegand Length Sensor Anti-shake(MS) Lock Monitor Time(S)	Weigand 34 20 20	>	-,	
LED Control Buzzer Control Viegand_Output Item Door Sensor .ock Open Time(S) Juper PIN	Low Level Card Number Normally Open 5 * 00000000	Wiegand Length Sensor Anti-shake(MS) Lock Monitor Time(S) Henu Password	Weigand 34 20 20 00000000	~		

Temporary PIN:

- Temporary PIN will be valid in 5 minutes, and can be used repeatedlly.
- Temporary PIN will be created by "Super PIN".

Steps to make Temporary PIN:

- Run "Wechat" Weixin APP from a smart phone, Android or IOS.
- Search "KeykingLock" Mini Program from Wechat.
- Choose "KeykingLock" to run.
- Input the "Super PIN", you will get "Temporary PIN" for 5 minutes to use.
- The "Temporary PIN" can be used to open the door.



5.6 Screen Message

5.6.1 Biometric Verification



5.6.2 Card Verification



5.6.3 QR Code Verification





5.6.4 Combination Verification

Chapter 6 FAQ

NO	Descriptions	Possible Reason	Solution
1	 No lights, not responding Lights are ON, card swipe not responsive 	Power problemCard technology not compatible	Check power supplyreplace card
2	 Lock stays opened 	 Wrong lock wiring (NC/NO) Lock time too long REX Input configured wrong Exit Button short circuit 	 Verify wiring Verify lock time Verify REX Configure (NO/NC) Check Exit Button
3	 FP or card information missing 	Missing user information	Verify enrollmentVerify network connection
4	 Can not open door by flashing card or FP. 	 Lock power problem Enrolment problem Access level not enabled 	 check lock power and wiring Check enrolment Verify access level
5	 Can not open the door when it's Card+FP mode 	 Either card or fingerprint are not enrolled Card and fingerprint not enrolled with same user 	
6	Door bell not working	• wiring error	
7	Wrong Time/Date	Setting was not completeNo PC sync	• Set Time/Date in manage menu.
8	 FPC3002Q does not respond with Fingerprint 	 The fingerprint is too wet. The fingerprint is too cold. 	Wipe dry the fingerprint.Warm the fingerprint to normal.