
利剑出鞘
谁与争锋

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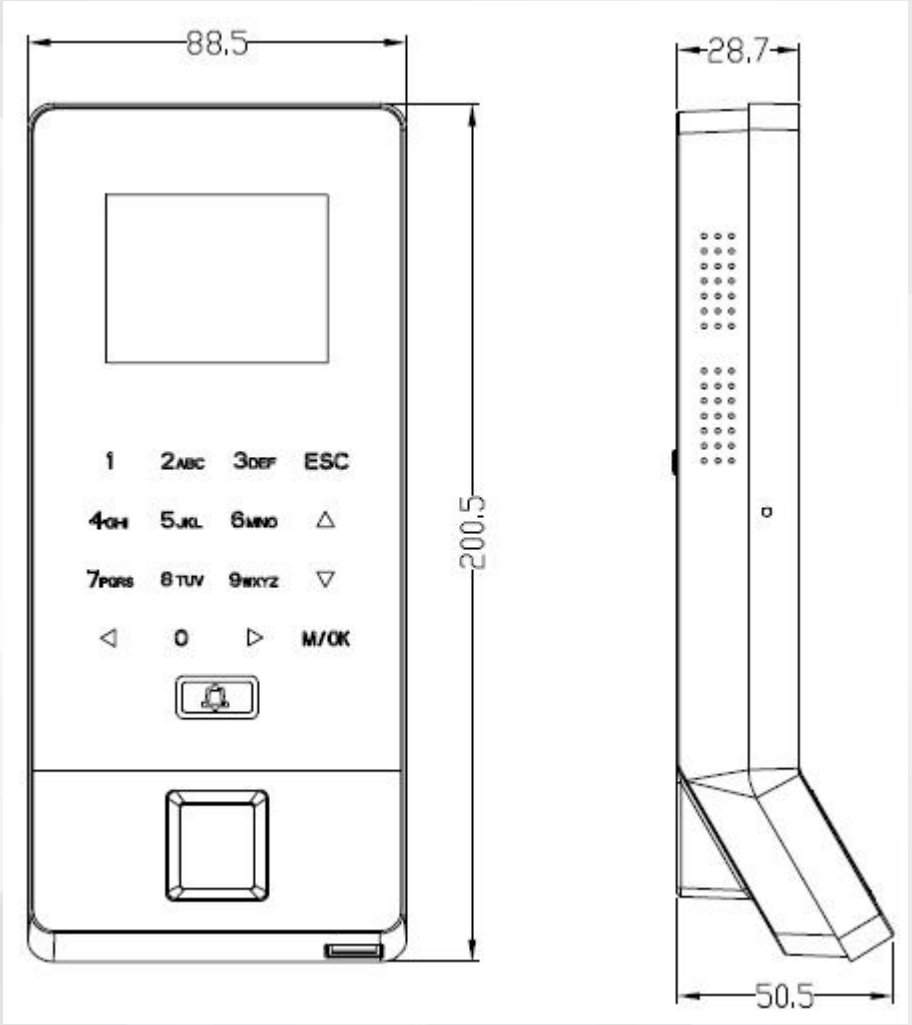
1 Background(Why we did it)

1.POE will save the installation cost, just one network cable from POE Switch to the terminal for power(terminal and lock) and communication. No need more power supply for the terminal and lock. So it no need touch with strong electricity and also it no need change the customer company power line.

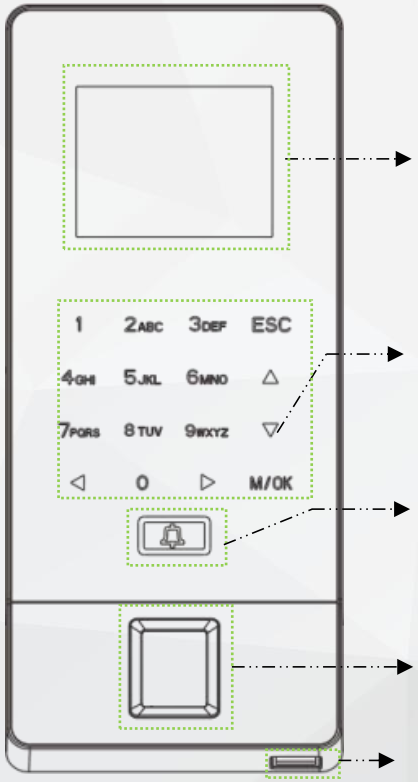
2. With the developing of the POE technology ,the cost for POE switch is lower and lower. So more and more company start to use Poe switch and they will need Poe terminal.

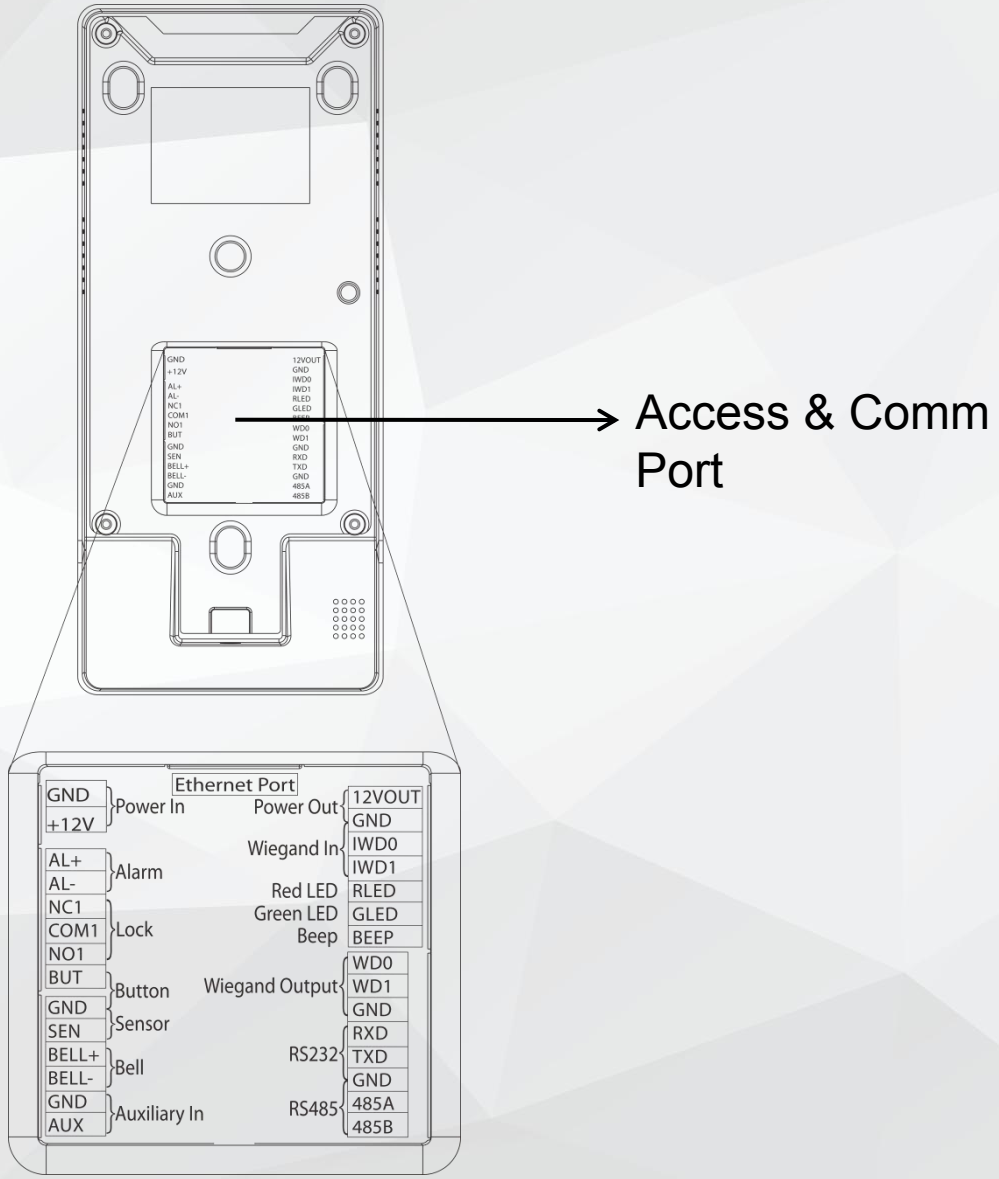
3. Some competitors already have some Poe products, like Anviz P7 ; Suprema BioEntry W2

2 Product appearance



2 Product appearance





3 product positioning

ProCapture-X positioning is high level product for project. It belongs to GreenLabel product line and follow its rules。

Compare with ProCapture-T Product, based on SIlkID sensor and Push communication, it add internal POE Function and WIFI communication （optional）、wireless doorbell（optional）, also the capacity is increased. So it is the upgrade version for GreenLabel product.

4 ProCapture-X Specifications

Specifications (G: GL Exclusive Feature)

Capacity

Fingerprint	20,000
Cards	50,000
Transaction	500,000

Compatibility

Wiegand Slave Reader
G RS485 FP Slave Reader
ZKBioSecurity Software

Hardware

G 1.2GHz High Speed CPU
G Memory 128MB RAM / 256MB Flash
SilkID Fingerprint Sensor
2.4 Inches TFT-LCD Screen
125KHz EM Reader / Mifare(Optional)
Hi-Fi Voice & Indicator
Tamper Switch Alarm
G Touch Keypad
G POE(Standard IEEE 802.3at)
Wireless doorbell(Optional)

Access Control Interface:

Lock Relay Output
Alarm Output/Auxiliary Input
Exit Button / Door Sensor
Security Relay Box

Special Functions:

G Multiple Verification Modes
G Alive Finger Detection
ZK Encrypted Card(Optional)
G Fingerprint Card(Optional)

Standard Functions:

Access Levels / Groups / Holidays
DST / Bell Schedule
Duress Mode
Anti-Passback
Record Query
Custom Wallpaper & Screen Saver

Communication

G TCP/IP
G RS485 (For fingerprint&card Reader)
USB Host
Wiegand Input / Output
G Wi-Fi(Optional)

Additional Info

Working Temperature: 0℃ ~ 45 ℃
Dimensions: 200.5 × 88.5 × 28.7 mm.
Fingerprint Algorithm ZKFinger v10.0
Fingerprint: FAR≤0.0001% FRR≤0.01%
Package Includes 12V 3A Power Supply

Power

Operating Voltage 12V DC 3A
Current Draw < 500mA

CE FC

5 Advantage& characteristic

1. Standard with internal POE (802.3at) Function, can be configured Power supply for Lock by wet or dry model 。

2.Optional WIFI and wireless doorbell。

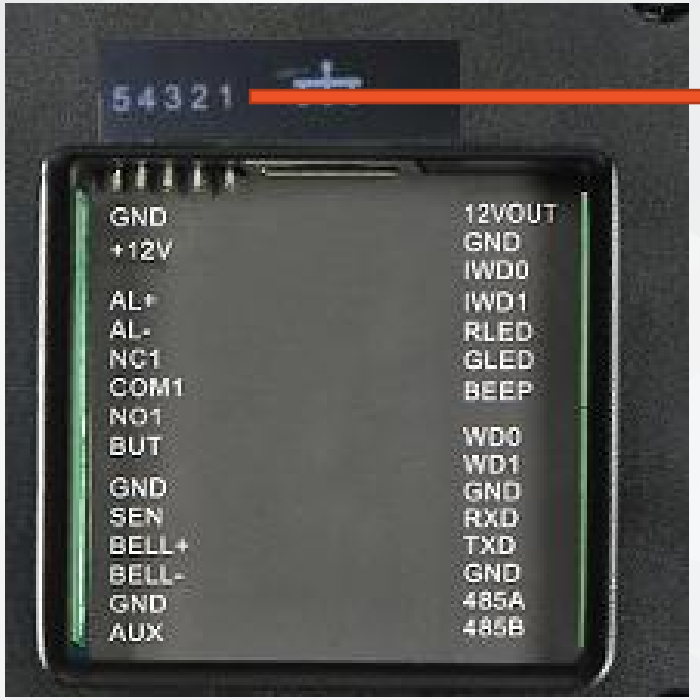
3.Big capacity: 20,000 FP, 50,000 Card,500,000record。

4.SilkID sensor: Better for strong light, wet or dry fingerprint, infrared detection, PIV certification。

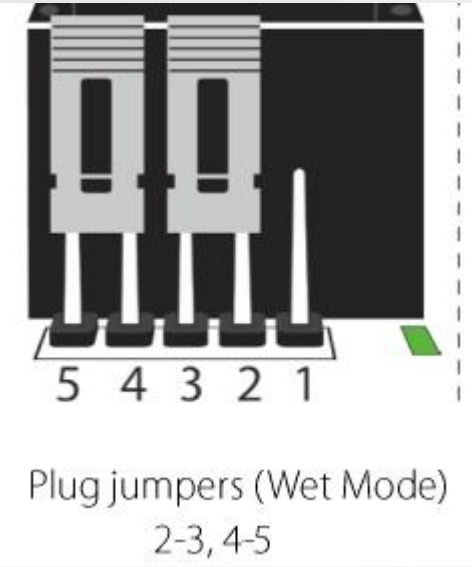
5.The connection Port upgrade: like controller connection port, more stable。

6.Belongs to GreenLable Product line, follow its rules: UI design, appearance design, manage by BioSecurity3.0 platform, Price Protection and so on。

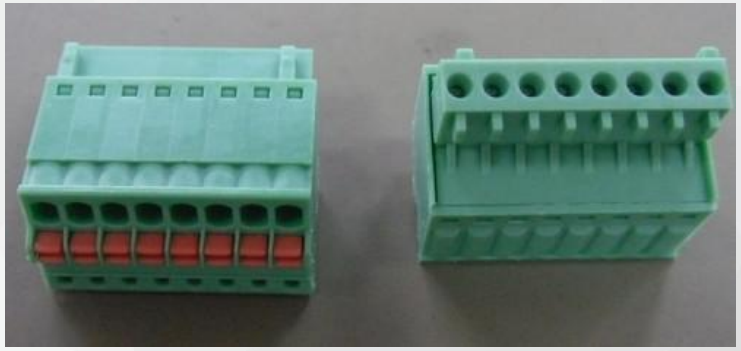
6 The connection port Overview



No power supply for Lock



With power supply for Lock



7 POE Introduction

What is Power over Ethernet?

POE(Power Over Ethernet) is a technology that lets network cables carry electrical power. For example, a digital security camera normally requires two connections to be made when it is installed: 1. A *network connection*, in order to be able to communicate with video recording and display equipment 2.A *power connection*, to deliver the electrical power the camera needs to operate. However, if the camera is POE-enabled, only the network connection needs to be made, as it will receive its electrical power from this cable as well.

One POE system normally include two part: PSE(Power Sourcing Equipment, example: POE Switch) and PD(Powered Device, example: IP Camera or access terminal).

7 POE Introduction

Why use POE?

1. Time and cost savings - by reducing the time and expense of having electrical power cabling installed. Network cables do not require a qualified electrician to fit them, and can be located anywhere.

2. Flexibility - without being tethered to an electrical outlet, devices such as IP cameras and wireless access points can be located wherever they are needed most, and repositioned easily if required.

3. Safety - POE delivery is intelligent, and designed to protect network equipment from overload, under powering, or incorrect installation.

4. Simple - having power available on the network means that installation and distribution of network connections is simple and effective.

7 POE Introduction

Now, POE has two kind of standard：
IEEE802.3af/802.3at

	802.3af(POE)	802.3at(POE Plus)
Max electrical current	350mA	600mA
PSE Output Voltage	44-57V DC	50-57V DC
PSE Output Power	<=15.4W	<=30W
PD Input Voltage	36-57V DC	42.5-57V DC
PD Input Power	12.95W	25.5W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