ZKTeco

The solution is in your hands

G4 Pro is a fully customisable access control device easy to integrate with third-party solutions & your business needs

```
package com.zkteco.
android.demo


  class
ActuatorsViewModel
```

```
launch {
    if(hardwareSource.
areLightsSupported()){
  RelayService.enableLed(st
  RelayService.
enableInfraRed(status:fals
}
```

← Wiegand

Input
Wiegand

READ WIEGAND

WRITEWIEGAND

RS232_1

CONFIG

READ RS232_1

WRITERS232_1

RS232_2

CONFIG

READ RS232_2

WRITERS232_2

RS485

CONFIG

READ RS485

WRITERS485

ZKTeco

Create your own solutions

ZKTeco provides you with all the necessary tools and support to build your own applications.

Built for Developers

Years of experience in development and research helped us to create tools that are user-friendly and easy to implement.

We build your solution for you

If you do not want to develop, ZKTeco's expert development team will turn your ideas into reality.

Designed for integrators

In today's increasingly competitive market, integrators need something more than a supplier: they need a business partner.

As one of the leading manufacturers of security products, ZKTeco combines a broad portfolio of products that adapt to different business models and provide solutions specifically designed for software development and mobile solutions companies.

CODE HERE

Access Control

Personnel identification
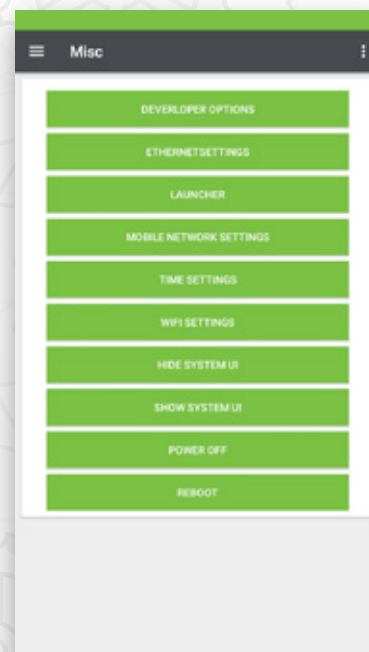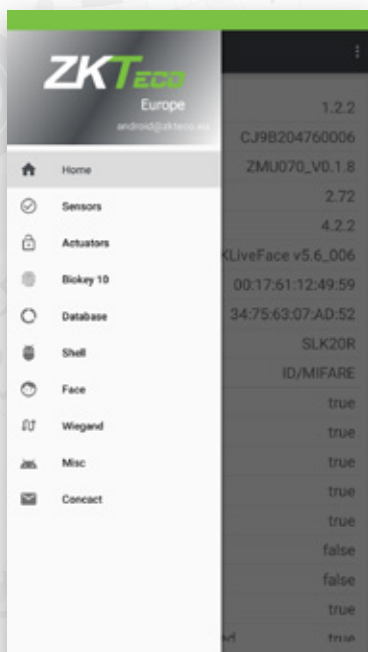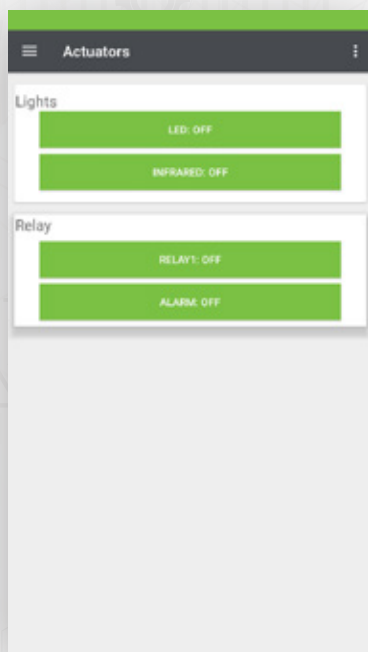
Time attendance record data

Communications control

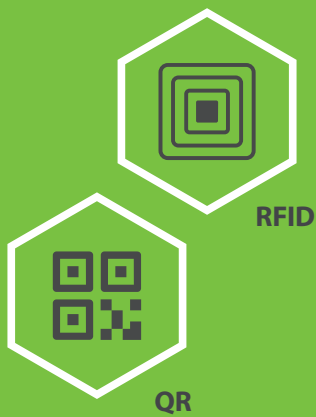Sensor & alarm triggers

Configure Actuators

Main Dashboard

Parameters configuration

All-in-One Identification

Digital innovation is rapidly evolving to meet the demands for accurate and reliable identification technologies. From traditional RFID cards and QR codes, to the most advanced biometric recognition technologies such as fingerprint, facial recognition or palm-vein pattern recognition.
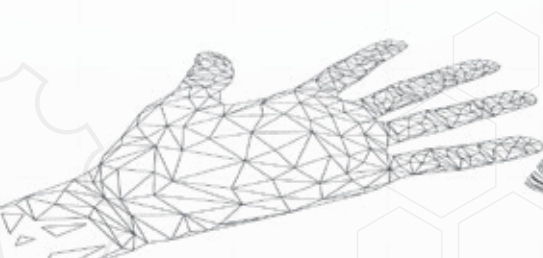
DIGITAL IDENTIFICATION

RFID

QR

BIOMETRIC RECOGNITION

Fingerprint

Palm

Face

ZKTeco's **G4 Pro** is designed to let you choose the autentication method that best suits your requirements. Additionally, this device allows usage of **smartphones** to identify users with phone based authentication by incorporating dynamic and mobile credentials as key differentiating features.

Adapt, verify or provide temporary access with **G4 Pro**, built for integrators to deliver unique approaches into the multiple vertical markets they serve.

1 **Palm Recognition**
Identification if the nearing object is a palm

2 **Palm Print Recognition**
Processing the palm print and palm vein recognition simultaneously
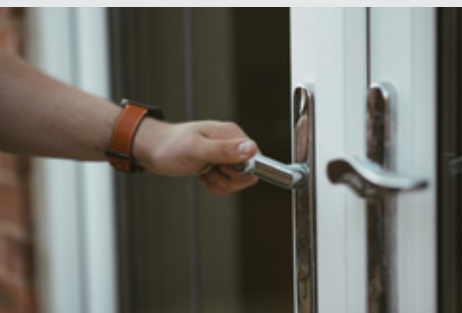
3 **Palm Vein Recognition**
infrared light to observe the palm vein and then cross-check with the database for its availability

Specifications

Capacity			
Users	30,000 (optional 50,000)	Palms	3,000 (optional 6,000)
Faces	30,000 (optional 50,000)	Fingerprints	10,000 (optional 30,000) (G4 Pro FP)
Cards	30,000 (optional 50,000)	Transactions	1,000,000

Hardware			
CPU	64bit 8-Core Customized Computer Vision CPU	Screen	7-inch Touch Screen (720*1280 Pixels)
Storage	2GB LPDDR3 / 16GB eMMC	Camera	2MP Binocular Camera

Communication			
Wired	TCP/IP, USB Host, RS485, Wiegand Input/Output	LTE FDD	B1/B2/B3/B4/B5/B7/B8/B20/B28
Wireless	Wi-Fi, Bluetooth, 4G	LTE TDD	B38/B39/B40/B41
WLAN	2.4G, 802.11 b/g/n	WCDMA	B1/B2/B4/B5/B8
Bluetooth	BT2.1+EDR/3.0/4.1 LE/4.2 BLE	GSM	850/900/1800/1900MHz

Identification			
Card	125kHz ID card & 13.56MHz IC card Multi-tech Card Module (optional)	Palm	ZKPalm Algorithm FAR ≤0.01% FRR ≤1%)
QR Code Scanner	Dynamic QR codes on the ZKBioSecurity mobile APP. QR code, PDF417, Data Matrix, MicroPDF417, Aztec scanning in 3rd-party development projects	Face	ZKFace 5.6 Algorithm Recognition Speed ≤ 0.5s Recognition Distance 0.5m to 3m
Fingerprint	Z-ID Fingerprint Sensor (ZKFinger 10.0)		

Interface			
Access Control	RS485 (OSDP v2.1.7), Wiegand In/Out, Lock Relay Output, Exit Button, Alarm Output, Auxiliary Input, Door Sensor, External Bell	Power supply	DC 12V, 3A IEEE 802.3af/at

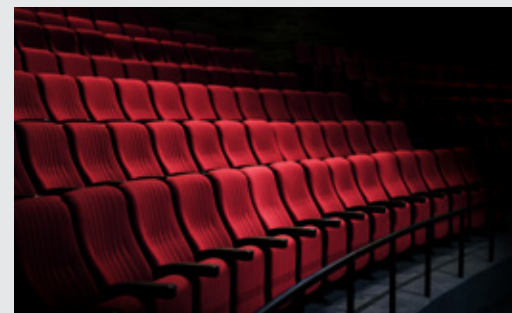| General			
Power Supply	DC 12V, 3A. IEEE 802.3af/at	Storage Humidity	<90%
Operating Temperature	-20℃ to 55℃	Storage Temperature	-25℃ to 65℃
Operating Humidity	<90%RH	Dimensions (H*L*D)	264mm*120mm*51mm

Application scenarios

Access Control

Visitor Management

Events

CE FC RoHS