

# G4[QR]

## Android Multi-Biometric Facial Recognition Terminal with QR Code Scanner

Compatible with



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**G4[QR]** is a multi-biometric identification terminal that features ZKTeco's innovative Enhanced Visible Light Facial Recognition and QR Code Scanning technology. The device with the latest technologies can automatically perform recognition at a distance from 0.5m to 3m when a face is detected. It delivers higher recognition quality in speed and accuracy than other terminals using near-infrared facial recognition technology. With the applied Deep Learning algorithm, pose angle tolerance and anti-spoofing performance have been greatly enhanced against various environment conditions and different types of spoofing attacks.

G4[QR] is equipped with an excellent mini QR code reader, which supports QR code, PDF417, Data Matrix, MicroPDF417, Aztec, and so on. And it can scan the T&A/A&C QR code on the ZKBioSecurity Mobile App.

In addition to the optional ID and IC card modules, G4[QR] can also perfectly support ELATEC card modules, and can support 125kHz, 134.2kHz and 13.56MHz RFID cards without changing the card module.

If the function mentioned above cannot meet customers' needs, we can provide an EDK embedded development kit and adjustment tools. Based on our robust and stable platform, the client's R&D team can quickly develop, integrate, and debug the entire embedded system to get more scalability.

### Features

- Scans the T&A/A&C QR code on the ZKBioSecurity Mobile App
- Supports mask detection.
- Supports Open Supervised Device Protocol (OSDP).
- Anti-spoofing algorithm against print attack (laser, color, and B/W photos), videos attack, and 3D mask attack.
- Supports ELATEC Card Module (125kHz, 134.2kHz, or 13.56MHz RFID cards).
- Supports Android LCDK Demo.

# QR Code Functions

Find the access control QR code on the ZKBioSecurity Mobile App.



Align it with the QR code scanner at the bottom right corner of G4[QR]. The gate will open when verification is successful.

## Specifications (GL Exclusive Feature)

### Capacity

|             |         |
|-------------|---------|
| User        | 10,000  |
| Face        | 10,000  |
| ID Card     | 10,000  |
| Transaction | 100,000 |

### Communication

- TCP/IP
- USB Host
- Wiegand Input
- Wiegand Output
- Bluetooth, Wi-Fi

### Access Control Interface

- Lock Relay Output
- Exit Button
- Alarm Output
- Door Sensor
- External Bell

### Hardware

- High-Performance Android Industrial CPU
- 2GB DDR3 RAM
- 16GB ROM
- 7-inch Touch Screen, 1280\*800 Pixels
- 2MP Binocular Camera
- ID Card (Standard)
- Supports Android EDK Demo

### Standard Functions

- Work Code / Push / DST / Bell Scheduling / Automatic Status Switch / Record Query / Photo ID

### Special Functions

- Enhanced Visible Light Facial Recognition
- Live Face Detection
- Live Fingerprint Detection
- Multiple Biometric Verification Modes

### Optional Functions

- 13.56MHz IC Card, 125kHz HID Card
- SilkID Fingerprint Sensor, ELATEC Card Module

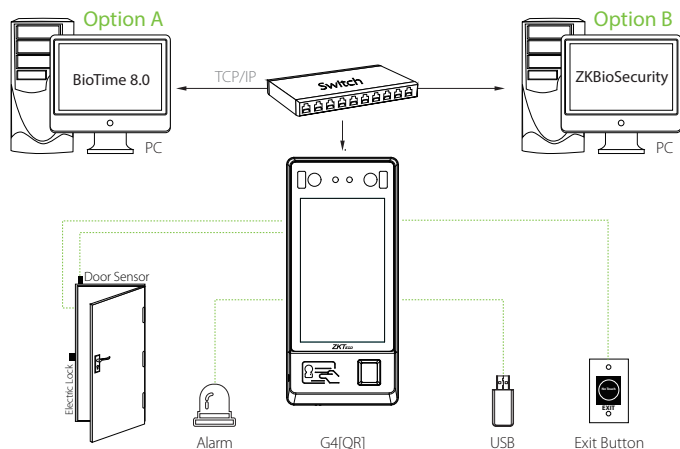
### Compatibility

- BioTime 8.0 (Only Time & Attendance Firmware)
- ZKBioSecurity (Only Access Control Firmware)

### Additional Info

|                             |   |
|-----------------------------|---|
| Algorithms                  | ZKFace 5.6 & ZKFinger 10.0              |
| Working Temperature         | 0°C to 50°C (32°F to 122°F)             |
| Working Humidity            | <90%                                    |
| Dimensions                  | 264mm*120mm*51mm<br>(9.69in*4.72in*2in) |
| Facial Recognition Speed    | ≤1s                                     |
| Facial Recognition Distance | 0.5m to 3m<br>(19.7in to 118.1in)       |
| Power                       | DC12V, 3A                               |

## Configuration



## Dimensions (mm)

