GV-QR1352 QR Code & RFID Reader

Introduction

GV-QR1352 is a QR code reader with RFID reading capability. GV-QR1352, as part of the *GeoVision mobile access solution*, can unlock doors by scanning QR codes displayed on smartphones. Furthermore, its RFID capability supports dual-band frequency (125 kHZ EM and 13.56 MHz Mirfare), and its Weigand interface enables integration with any standard access control systems.

GV-QR1352 can read two types of QR codes for various access control applications. One is mobile access QR codes displayed on *GV-Mobile Access app* for regular or visitor access control in office, campus buildings and other locations. The other is single-use QR codes that are issued by *GV-ASManager's Visitor Access Management System (GV-VMWeb)* to perform visitor access control, such as in event venues and meeting room reservations.

GV-QR1352 is an ideal reader for integrators to adopt when incorporating mobile access control into existing access control systems.

Features

- Dual band frequency: 125 kHz EM / 13.56 MHz Mifare
- Two communication interfaces: Wiegand, RS-485
- Flush-mounted design for US and EU compatible
- QR code support for contactless access
- DESFire EV2 card support for enhanced security
- GeoVision access cards with GID (GeoVision Identifier) support

Specifications

Communication Interface		Wiegand, RS-485
RFID Frequency		• Dual Band (13.56 MHz & 125 kHz) • 125 kHz EM • 13.56 MHz for ISO14443A Mifare
Reading Range	RFID	• 13.56 MHz: 2-5 cm (0.79-1.97 in) • 125 kHz: 5-10 cm (1.97-3.94 in)
	QR Code	10-15 cm (4-6 in) * min illumination: 250 lux
Wiegand Interface		Wiegand x 1, 26 / 34 bits, distance 30 m (98.43 ft)

RS-485 Interface		RS-485 x 1, 9,600 bps, distance 600 m (1968.50 ft) *For supporting dynamic QR codes and smartphone access, RS-485 connection is required.
Power Source		DC 9-24V
Power Consumption		85 mA
LED		Bi-color LED (Red / Green)
Beeper		Buzzer
Color		Black
Supported ID Formats		UID, GID, DESFire ID
Temperature	Operating	-20 °C ~ 65°C (-20 °C ~ 65°C)
	Storage	-25 °C ~ 70°C (-13 °F ~ 158 °F)
Humidity	Operating	20 ~ 90% RH (non-condensing)
	Storage	5 ~ 95% RH (non-condensing)
Dimensions	US	118 (L) x 81 (W) x 9 (H) / 34 (H) mm; 4.65 (L) x 3.19 (W) x 0.35 (H) / 1.34 (H) in
	EU	88 (L) x 86 (W) x 9 (H) / 34 (H) mm; 3.46 (L) x 3.39 (W) x 0.35 (H) / 1.34 (H)in
Weight		120 g (US), 110 g (EU)
Ingress Protection		IP55
Certification		CE, FCC

Note:

1. RS-485 interface only supports GeoVision controllers, while Wiegand interface supports both GeoVision and 3rd party controllers (Wiegand 26 / 34 bits).
2. Specifications are subject to change without notice.

Packing List

- GV-QR1352 (US / EU)
- Bottom Cover
- Hex Socket Flat Head Cap Screw (M3 x 8) x 2
- Allen Key (2 mm, 48 x 15 mm)
- Terminal Cable x 2
- Mounting Plate (US / EU)
- Heightening Mount Bracket (US)

Options

GV-AS ID Card, Key Fob, Sticker GV-DESFire Card	125 KHz and 13.56 MHz cards, key fobs, stickers and DESFire cards are available.
GV-WTR	GV-WTR is a Wiegand and RS-485 converter. It enables 3rd party readers and certain GV readers (e.g., GV-RU9003, GV-QR1352 / DES1352) to connect to RS-485 GV controllers, as well as allowing GV-AI FR (face recognition software) and GV-CR1320 (RS-485 reader) to connect to 3rd-party Wiegand controllers.

Compatible Products

The following products and versions are required to support different QR codes.

To support *Visitor QR codes* issued by *GV-VMWeb:*

- **GV-ASManager:** V5.3.3 or later
- **GV-AS Controllers:** GV-AS210 / 2110 / 2120, GV-AS810 / 8110 / 8111, GV-AS410 / 4110 / 4111, GV-AS1620

To support *dynamic QR codes* created by *GV-Mobile Access app*:

- **GV-ASManager:** V5.3.3 or later
- **GV-AS210 / 2110 / 2120, GV-AS410 / 4110 / 4111:** V2.40 or later
- **GV-AS1620:** V1.04 or later

To support *Visitor QR codes* created by *GV-Mobile Access app*:

- **GV-ASManager:** V6.0.0 or later
- **GV-AS210 / 2110 / 2120, GV-AS410 / 4110 / 4111:** V2.50 or later
- **GV-AS1620:** V1.10 or later
- **GV-QR1352:** V1.10 or later

Dimensions

Unit: mm