

GV-DES1352 Dual-Band RFID Reader



Introduction

GV-DES1352 is a dual-band RFID reader designed for flexible integration. Its support for both 125 kHz and 13.56 MHz frequencies offers integrators a practical solution for managing card compatibility at locations equipped with mixed-frequency readers. With both Wiegand and RS-485 interfaces, GV-DES1352 can be easily integrated into standard access control systems.

Features

- Dual band frequency: 125 kHz / 13.56 MHz
- Two communication interfaces: Wiegand, RS-485
- Flush-mounted design for US and EU compatible
- MIFARE® DESFire® card support
- GeoVision access cards with GID (GeoVision Identifier) support

Specifications

Communication Interface		Wiegand, RS-485
RFID Frequency		Dual Band (13.56 MHz ISO14443A & 125 kHz)
Reading Range	RFID	• 13.56 MHz: 2-5 cm (0.79-1.97 in) • 125 kHz: 5-10 cm (1.97-3.94 in)
Wiegand Interface		Wiegand 26 / 34 bits, distance 100 m (328.1 ft)
RS-485 Interface		RS-485, 9,600 bps, distance 600 m (1968.50 ft)
Power Source		DC 9-24V
Power Consumption		85 mA
LED		Bi-color LED (Red / Green)
Beeper		Buzzer
Color		Black
Supported ID Formats		UID, GID, DES-ID
Temperature	Operating	-20 °C ~ 65°C (-4 °F ~ 149 °F)
	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. Connecting the reader to a third-party controller could limit the maximum Wiegand connection distance to 30 m (98.43 ft).
3. Specifications are subject to change without notice.

Packing List

- GV-DES1352 (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-Access Card, Key Fob, Sticker	125 kHz and 13.56 MHz cards, key fobs, stickers, and MIFARE® 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

- **GV-ASManager**
- **GV-AS Controllers:** GV-AS210 / 2110 / 2120 / 410 / 4110 / 4111, GV-AS810 / 8110 / 8111, GV-AS410 / 4110 / 4111, GV-AS1620, GV-EV48

Note:

1. To connect the GV-DES1352 reader to GV-AS Controllers *via RS-485*, it is required to use the following products and versions: GV-AS210 / 2110 / 2120 / 410 / 4110 / 4111 V2.40 (or later), GV-AS810 / 8110 / 8111 V2.6 (or later), GV-AS1620 V1.04 (or later), and GV-EV48 V2.32 (or later).
2. GV-AS810 / 8110 / 8111 controllers support GV-DES1352 exclusively through the controller's RS-485A interface.

Dimensions

Unit: mm

