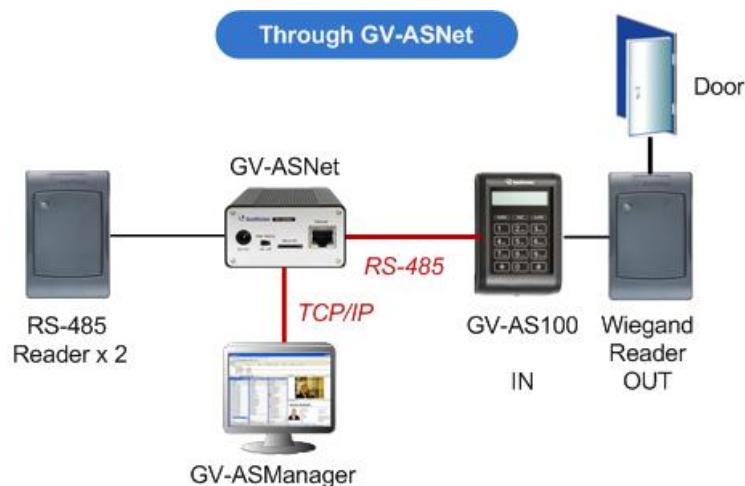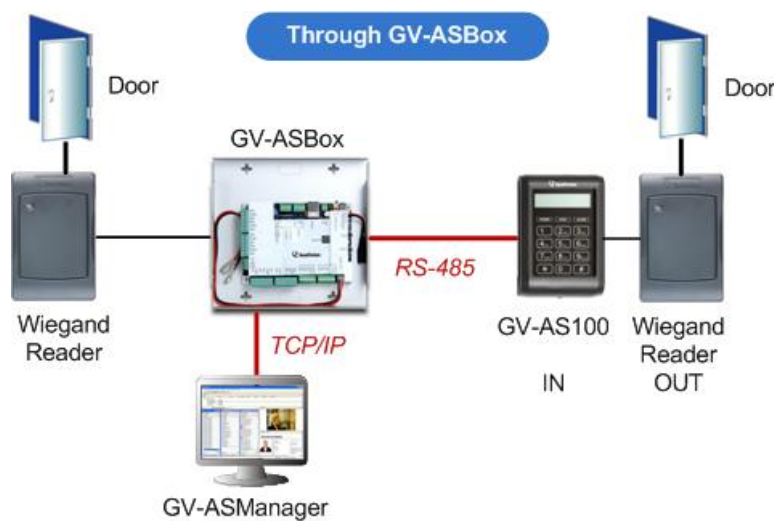# GV-AS100 With Built-in Reader

Introduction

Working as a standalone solution, GV-AS100 is a card reader and also a single door controller. It is possible to add one more card reader to GV-AS100 for entry and exit applications. GV-AS100 has the capability to store up to one thousand cards. When GV-AS100 is being used as a standalone unit the programming is either done on the keypad or from the software GV-ASManager through the RS-485 connection.

An economic solution for access control, GV-AS100 is suitable for controlling doors, parking gates and access to elevator call buttons.

GV-AS100 Controller KEY FEATURES

- 1,000 / 40,000 cards (standalone / networked mode)
- Easy programming from keypad
- Anti-Passback (APB) support
- Built-in 3 digital inputs and 2 relay outputs
- One Weigand output (26 ~ 64 bits) for extra reader programming
- Built-in 13.56MHz Reader

AS100 SPECIFICATIONS

System Requirements	
GV-ASManager Version	GV-ASManager V2.1 or later
Hardware	
CPU	8-bit RISC Microprocessor
Number of User Cards	1,000 / 40,000 cards (standalone / networked or RS-485 mode)
Frequency	13.56 MHz for ISO14443A (Mifare DESFire, Mifare Plus and Mifare Classic)
Event Buffer	65,536 events and log data
Power	100 ~ 240V AC, 50 ~ 60Hz
Wiegand Interface	1 Wiegand interface, 26 ~ 64 bit format 12V DC Power Supply, 200mA
Communication Protocol	RS-485
Digital I/O — Input	3 inputs, dry contact, NO / NC
Digital I/O — Output	2 outputs
Operating Temperature	0~65°C / 32 ~ 149°F
Operating Humidity	10% ~ 90% RH (non-condensing)
Dimension (W x H x T)	96 x 137 x 27 mm / 3.78 x 5.39 x 1.06 in
Weight	250 g / 0.55 lb
Ingress Protection	IP54
Certification	CE, FCC, RoHS

Note:
1. GV-AS100 is a controller with a built-in card reader. GV-AS100 cannot be used as an independent card reader.
2. Specifications are subject to change without notice.

Options

Optional devices can expand the capabilities and versatilities of your GV-AS Controllers. Consult your sales representative for more information.

GV-Reader 1251	GV-Reader 1251 is a card reader that uses a 125 kHz frequency. It has both Wiegand and RS-485 outputs that can be connected to any standard access control panel.
GV-Reader 1352 V2	GV-Reader 1351 V2 is a card reader that uses a 13.56 MHz frequency. It has both Wiegand and RS-485 outputs that can be connected to any standard access control panel.
GV-RK1352	GV-RK1352 is a card reader with keypad that uses a 13.56 MHz frequency. The reader has both Wiegand and RS-485 outputs that can be connected to any standard access control panel.
GV-R1352	GV-R1352 is a card reader that uses a 13.56 MHz frequency. The reader has both Wiegand and RS-485 outputs that can be connected to any standard access control panel.
GV-DFR1352	GV-DFR1352 is a card reader that uses a 13.56 MHz frequency. The reader has both Wiegand and RS-485 outputs that can be connected to any standard access control panel.
GV-GF Fingerprint Reader	The reader supports three operation modes: Fingerprint Only, Fingerprint + Card and Card Only. In Fingerprint Only mode, the fingerprints are enrolled through GV-ASManager. In Fingerprint + Card mode, the fingerprint templates are stored on the user card. In Card Only mode, the users only need to swipe the card to be granted access. Readers with optical and capacitance sensors are available.
GV-CR420	GV-CR420 is a card reader with a built-in 4MP wide angle IP camera. The card reader recognizes identification cards and transmits live view through network connection.
GV-ASBox	Only works with GV-AS100 / 110 / 120. The device can add Network function, 1 Wiegand interface, 8 additional inputs and outputs to GV-AS100, GV-AS110 and GV-AS120.
GV-ASNet	Only works with GV-AS100 / 110 / 120. This device can add Network function to GV-AS100, GV-AS110 and GV-AS120.
GV-Hub	Only works with GV-AS100 / 110 / 120. GV-Hub can convert the standard RS-232 signal of up to 4 controllers to RS-485, allowing the controllers to connect to computers.
GV-COM	Only works with GV-AS100 / 110 / 120. GV-COM can convert the standard RS-232 signal of one controller to RS-485, allowing the controller to connect to a computer.
GV-Net / IO Card	Only works with GV-AS100 / 110 / 120. GV-Net / IO Card can convert the standard RS-232 signal of one controller to RS-485, allowing the controller to connect to a computer.
Push Button Switch	The push button switch can be integrated with access control system, allowing door exit by momentarily activating or deactivating the electric locking device. Both American standard and European standard push buttons are available.
GV-IB25 / 65 / 85 Infrared Button	The GV-IB25 / 65 / 85 Infrared Button detects infrared movement within 3 to 12 cm and allows you to open the door with a wave of hand.
Electric Lock	Three types of electric locks are available: electromagnetic lock, electric bolt and electric strike.

GV-AS ID Card & GV-AS ID Tag	GV-AS ID Cards and GV-AS ID Tags are ideal for business and residential environment, where access control is important for security reasons. 125 kHz and 13.56 MHz cards and tags are available.

Packing List

- GV-AS100
- Power Adaptor 12V DC / 1A
- Power Cord
- Screw x 3
- Screw Anchor x 2
- Master Card
- GV-AS ID F Card x 20
- GV-ASManager Software DVD