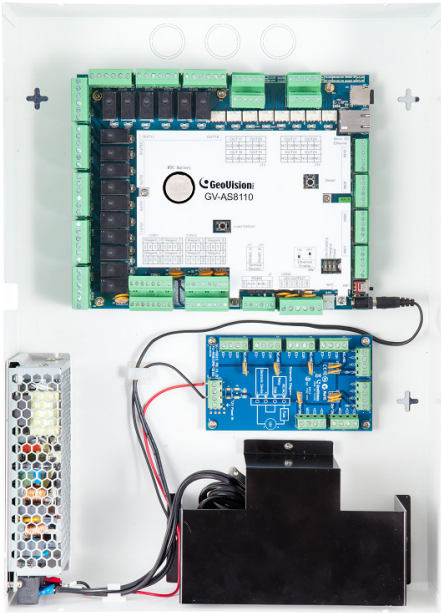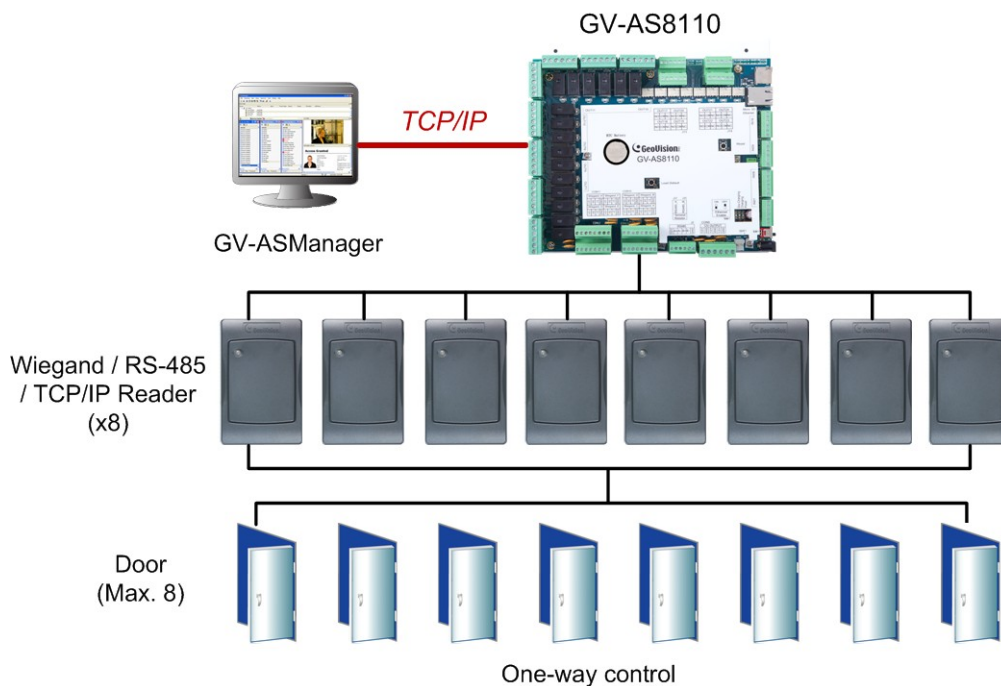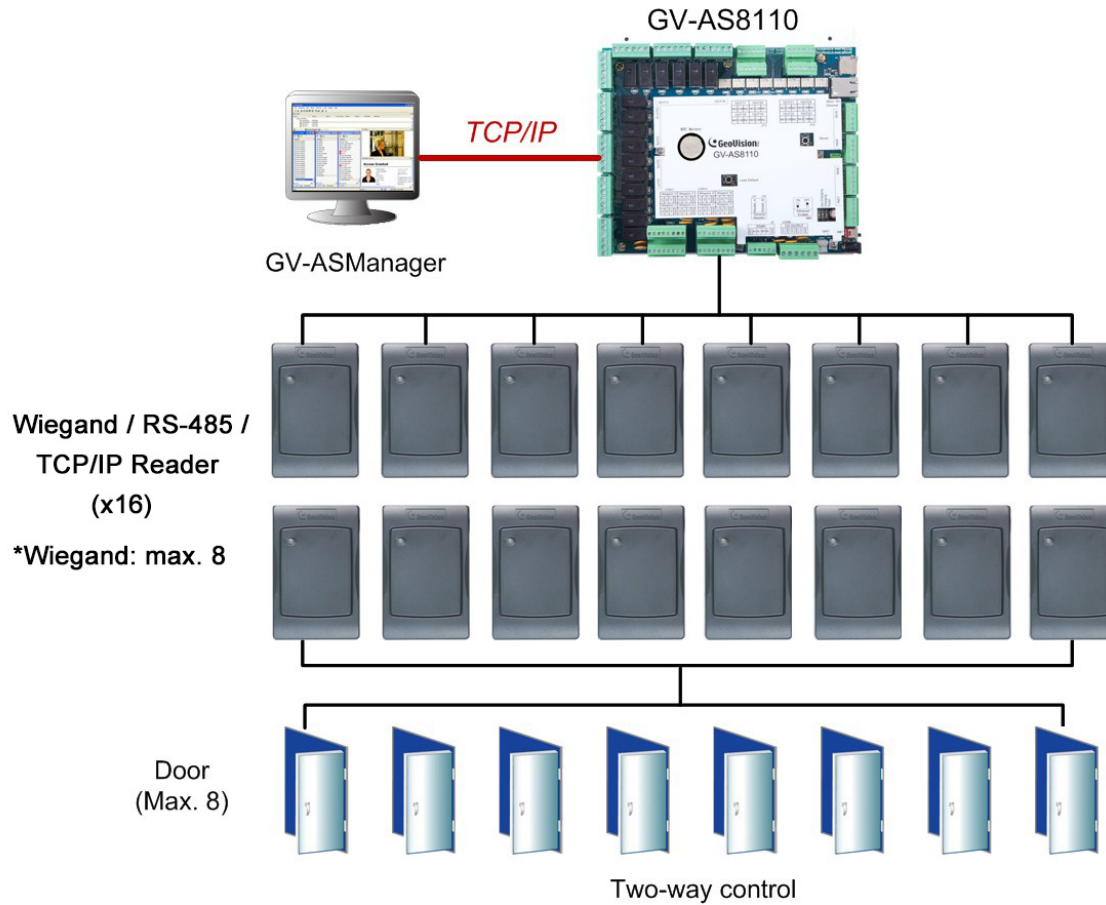# GV-AS8110 Kit

KEY FEATURES

- One-way control: 8 doors
- Two-way control:
  - 4 doors by Wiegand only;
  - 8 doors by RS-485 / network;
  - 8 doors with max 4 doors by Wiegand and other doors by RS-485 / network
- 8 Wiegand card readers of 26 to 64 bits
- 16 GV-Readers and GV-GF Fingerprint Readers through RS-485 and network
- Built-in 16 inputs and 24 relay outputs
- Suitable for controlling doors, parking gates and access to elevator call buttons
- Support for tampering alarm

GV-AS8110

SPECIFICATIONS

System Requirements	
GV-ASManager Version	GV-ASManager V4.2.3 or later
Software	
One-Way Control	8 doors
Two-Way Control	4 doors by Wiegand only 8 doors by RS-485 / network 8 doors with max 4 doors by Wiegand and other doors by RS-485 / network
Hardware	
CPU	32-bit ARM7TDMI
Number of User Cards	40,000 cards
Event Buffer	1,000,000 events and log data
Power	AC 100~250V , 50~60 Hz
RS-485 Interface	2 RS-485 interface for GV-Readers and GV-GF Fingerprint Readers (max. 16 Readers) Distance 600 m (1968.50 ft), 24 AWG
Wiegand Interface	8 Wiegand interfaces, 26~64 Bit format, distance 100 m (328.1 ft), 24 AWG 12V DC power supply, 200mA
TCP/IP Interface	1 TCP/IP interface for GeoVision network readers
Communication	TCP/IP
Battery	Replaceable button cell
Input	16 inputs, dry contact, NO/NC
Output	24 relay outputs (30V DC, 3A; 110 ~ 250V AC, 3A)
Operating Temperature	0 ~ 65 °C / 32 ~ 149 °F
Operating Humidity	10% ~ 90% RH (non-condensing)
Dimension (W x H x D)	420 x 300 x 110 mm / 16.5 x 11.8 x 4.33 in
Weight	4.4 kg / 9.68 lb
Certification	CE, FCC, RoHS

Power Adaptor Board		
Output	DC Voltage Range	12V
	Rated Current	0.9A
	Rated Power	10.8 W
Number of connectors	Input	2
	Output	8
Wire Size (AWG)		12 - 22
Power Supply		
Output	DC Voltage Range	12V
	Rated Current	12.5A
	Current Range	0~10A
	Rated Power	150 W
Input	US Standard	110 – 120V, 50 Hz / 60 Hz
	EU Standard	200 – 240V, 50 Hz / 60 Hz

Note:

1. RS485 and TCP/IP interfaces only support GeoVision readers, while Wiegand interface supports both GeoVision and 3rd party readers (Wiegand 26~64 Bits).

2. GV-AS Controllers do not support 3rd party access control software.

3. 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-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.
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-RU9003	GV-RU9003 is a Radio Frequency Identification (RFID) reader of ISO 18000-6C (EPC GEN2) standard. Designed for parking lot management, the reader can read RFID tag within 10 m (32.8 ft). Wiegand interface supports GeoVision AS2xxx/4xxx/8xxx controllers.
GV-AS ID Card / Key Fob & GV-UHF Tag	GV-AS ID Cards and GV-AS ID Key Fobs are ideal for business and residential environment, where access control is important for security reasons. 125 KHz and 13.56 MHz cards and key fobs are available. GV-UHF Tag is ideal for parking lot management. 900 MHz UHF Tag is available.

Packing List

- GV-AS8110 Kit (US standard or EU standard)
- Iron box key
- Iron box screw x 6
- Self-adhesive cable tie mounts x 6
- Power cord for battery
- Micro SD Card 2 GB
- Software CD
- Warranty Card