GV-AS1620 Single Door IP Controller

Introduction

GV-AS1620 is a single door controller with three types of interfaces, Wiegand, RS-485 and TCP/IP, to accommodate various readers for entry and exit management. Through its I/O pins, it provides not only basic door operations but also alarm, tamper and fire senor applications, as well as allowing LEDs connected to indicate an access granted and denied.

Key Features

- One door IP controller (entry and exit)
- 3 types of interfaces, Wiegand, RS-485 and TCP/IP, supporting 2 readers for each interface
- 4 digital inputs for door contact, exit button, fire contact and tamper contact
- 4 relay outputs for lock, alarm, 2 LED for an access granted and access denied
- DC 12V, 3A / PoE+ (IEEE 802.3at)
- Suitable for door, parking lot and elevator controls
- Stores up to 100,000 cards
- ONVIF (Profile C) conformant

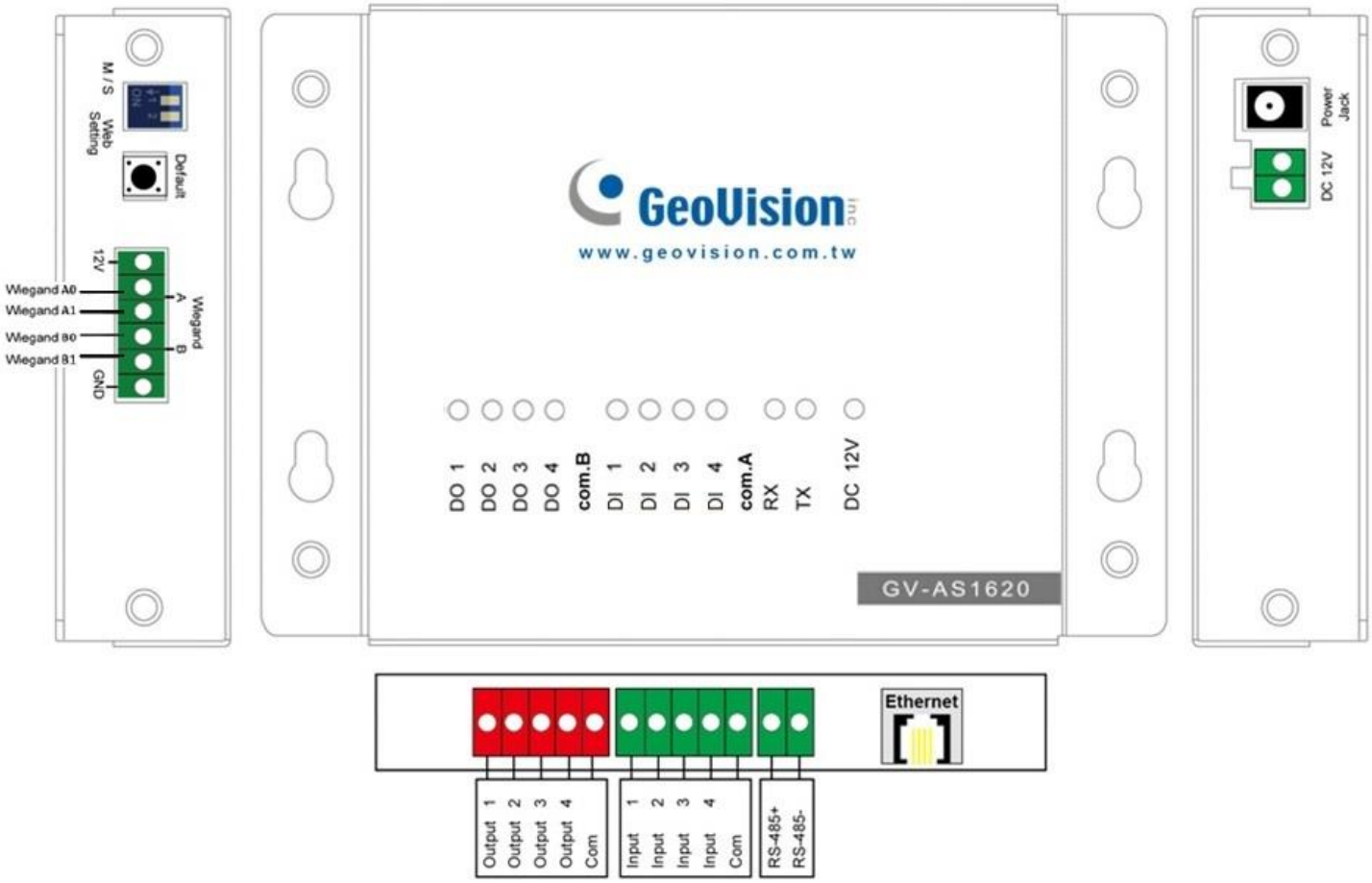
Specifications

System Requirements		
GV-ASManager Version		V5.2.0 or later
Hardware		
Wiegand Interface		2 Wiegand interfaces, 26 ~ 64-bit format
		12V DC power supply, 200 mA
RS-485 Interface		1 RS-485 interface for max. 2 GV-Readers (GV-CR420 / GV-DFR1352 / GV-SR1251 / GV-Reader1251 / GV-R1352 / GV-RK1352 / GV-WTR)
TCP/IP Interface		RJ-45, 10 / 100 Mbps
		1 TCP/IP interface for max. 2 GV-Readers (GV-CR420 / GV-FR2020 / GV-CR1320 / GV-GF1921 / GV-GF1922; GV-FWC with GV-FD8700-FR / GV-VD8700)
Digital I/O	Input	4 inputs, Dry Contact, NO / NC
	Output	4 relay outputs (DC 30V, 3A; 110V AC ~ 250V AC, 3A), NO / NC
Power		12V DC, 3A / PoE+ (IEEE 802.3at, provides up to 25.5W)
Operating Temperature		0˚C ~ 65˚C / 32˚F ~ 149˚F
Operating Humidity		5% ~ 95% RH (Non-Condensing)
Dimensions		111.4 x 27.5 x 101 mm / 4.39 x 1.08 x 3.98 in (case included)
Weight		235 g / 0.52 lb (case included)
Ingress Protection		IP54
Regulatory		CE, FCC, RoHS compliant

Network	
Interface	10/100 Ethernet
Protocol	DHCP, DynDNS, HTTPS, NTP, TCP, ONVIF (Profile C)

Note: Specifications are subject to change without notice.

Overview



Pin	Definition	Pin	Definition	Pin	Definition
DO 1	Lock	DI 1	Door Contact	Wiegand A	Entry Reader
DO 2	Alarm	DI 2	Exit Button	Wiegand B	Exit Reader
DO 3	LED for Access Granted	DI 3	Fire Contact	RS-485 +/-	RS-485 Readers
DO 4	LED for Access Denied	DI 4	Tamper Contact		

Packing List

- GV-AS1620
- Warranty Card
- Download Guide

Options

Optional devices can expand the capabilities and versatilities of your GV-AS1620. Consult your sales representative for more information.

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-CR1320	GV-CR1320 is a card reader with a built-in 2MP wide angle IP camera. The card reader recognizes identification cards and transmits live view through network connection.
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-FWC	GV-FWC can integrate GV-Face Recognition Cameras and GV-AI FR into access control systems by sending access card data, paired to Face IDs, to controllers either through TCP/IP or Wiegand connection.
GV-FR2020	GV-FR2020 is a 13.56 MHz face recognition reader. The reader supports two operation modes for access control: Face Recognition and Card.
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.
GV-Reader 1251	GV-Reader 1251 is a card reader that uses a 125 kHz 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-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-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).
GV-SR1251	GV-SR1251 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-GF Fingerprint Readers	GV-GF1921 / 1922 is a fingerprint reader, supporting three operation modes: Fingerprint Only, Fingerprint + Card and Card Only. Readers with optical and capacitance sensors are available.
GV-AS ID Card / Key Fob & GV-UHF Tag	GV-AS ID Card and GV-AS ID Key Fob 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.
GV-POE Switch	The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.
GV-WTR	GV-WTR is a converter designed to support Wiegand interface to RS-485 interface, thereby enabling 3rd party readers to be connected to RS-485 GV-Controllers. Through the GV-WTR, Wiegand-interface readers can be easily combined to access control systems for improved versatility.
Electric Lock	Three types of electric locks are available: electromagnetic lock, electric bolt and electric strike.
Power Adapter	Contact our sales representatives for the countries and areas supported.
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.