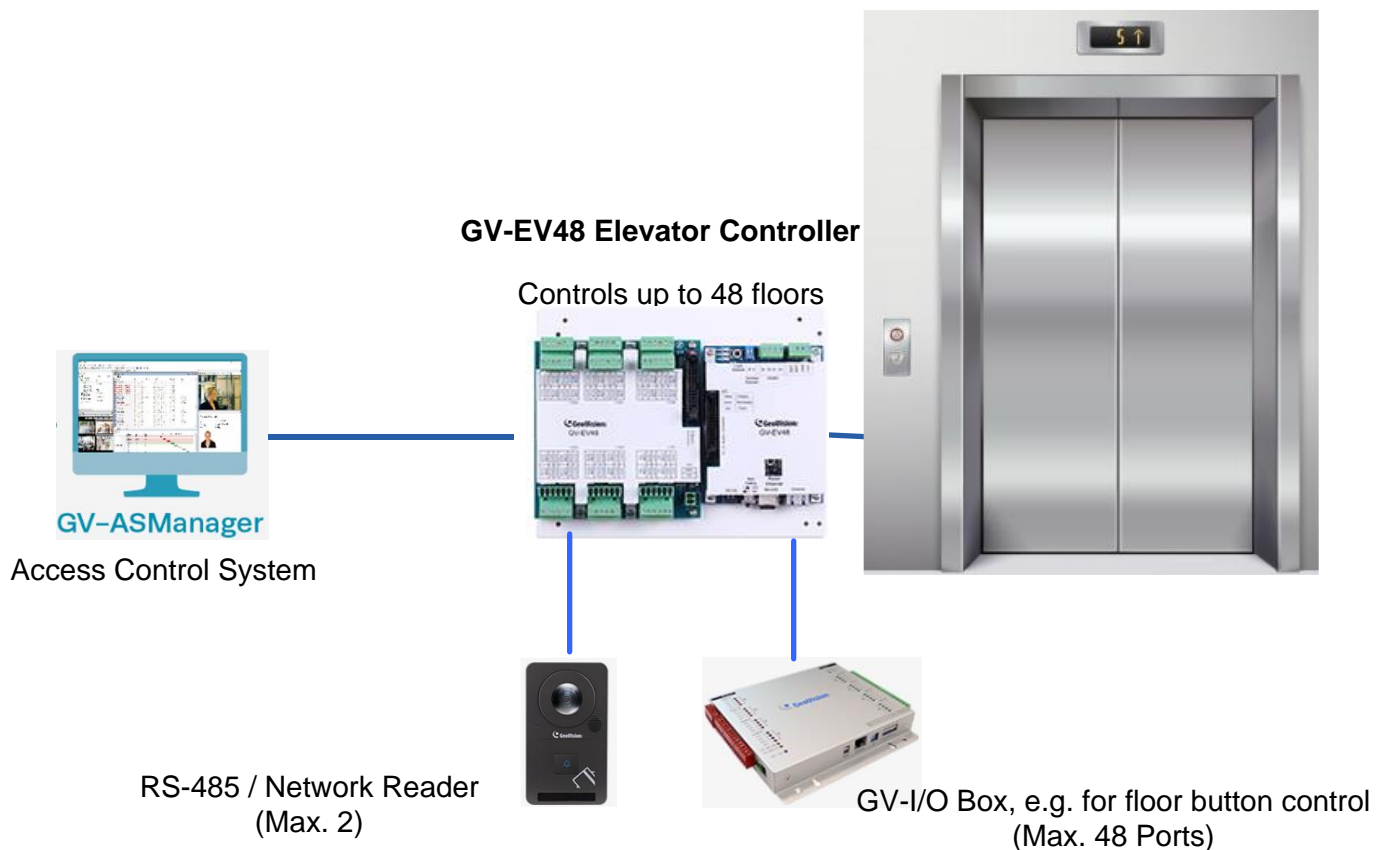# GV-EV48 Elevator IP Control Panel

Introduction

GV-EV48 is an elevator controller designed to control access of 1 elevator with a maximum of 48 floors. Up to 2 GeoVision readers can be connected to the GV-EV48 through RS-485 and/or network connections. GV-EV48 can recognize identification cards and grant access to the authorized floors regulated by GV-ASManager access control management system.

Key Features

- Grant access to specific elevator floors using access cards, card's PIN code or fingerprints
- GV-EV48 – 24 Floors: Built-in 24 relay outputs to support up to 24 elevator floors
- GV-EV48 – 48 Floors: Built-in 48 relay outputs to support up to 48 elevator floors
- Support up to 2 GV-Readers / GV-GF Fingerprint Readers through RS-485 and network connections
- Support up to 48 I/O ports of GV-I/O Boxes

GV-EV48 Elevator Controller

Controls up to 48 floors

GV-ASManager

Access Control System

RS-485 / Network Reader
(Max. 2)

GV-I/O Box, e.g. for floor button control
(Max. 48 Ports)

Specifications

System Requirements	
GV-ASManager Version	GV-ASManager V4.1 or later
Hardware	
CPU	32-bit ARM7TDMI
Number of User Cards	40,000 cards
Event Buffer	1,000,000 events and log data
Power	AC 100~250 V, 50~60Hz
RS-485 Interface	1 RS-485 interface for GeoVision RS-485 readers (max. 2) and GV-IO Box 4/8/16 Ports (max. 48 I/O ports)
TCP/IP Interface	1 TCP/IP interface for GeoVision network readers
Communication	TCP/IP
Battery	Built-in battery

Output	GV-EV48-24 Floors	24 relay outputs (30VDC, 1A; 125V AC, 0.3A)
	GV-EV48-48 Floors	48 relay outputs (30VDC, 1A; 125V AC, 0.3A)

Operating Temperature	0~65°C / 32 ~ 149°F
Operating Humidity	10% ~ 90% RH (non-condensing)
Dimensions (W x H x D)	210 x 170 x 55 mm (8.27 x 6.69 x 2.17 in)
Weight	610 g (1.34 lb)
Certification	CE, FCC, RoHS

Note:
1. The RS-485 interface supports 3rd-party Weigand readers via GV-WTR Wiegand converters.
2. Specifications are subject to change without notice.

Options

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

GV-AS ID Card & GV-AS ID Key Fob	125 KHz and 13.56 MHz cards / key fobs, 900 MHz UHF Tag 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-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 integrates GeoVision face-recognition-based cameras, software and readers into access control systems by sending access card data, paired to Face IDs, to controllers either through TCP/IP or Wiegand connection.
GV-I/O Box	GV-IO Box provides 4, 8 or 16 inputs and relay outputs. It supports both DC and AC output voltages. Depending on models, it provides PoE, TCP/IP and RS-485 port for PC connection.
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-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-GF Fingerprint Reader	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-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.
Cabinet (GV-AS Iron Box)	With the cabinet (Dimension: 383.5 x 443.5 x 112.2 mm / 15.1 x 17.5 x 4.4 in), GV-AS Controllers can be mounted directly to a wall or recessed into the wall.

Packing List

- GV-EV48 – 24 Floors / 48 Floors
- Power Adaptor 12V DC / 3A
- Power Cord
- Battery Cable
- Screw x 8
- Hex Nut x 8
- Hex Pillar x 8
- Micro SD Card 2 GB
- Software CD
- Warranty Card