Contents

A. GV-AS Controller Compatibility with Readers 2
B. GV-IA1330 and GV-IS1320 Compatibility with Readers 4
C. Number of Readers Supported by GeoVision Controllers 5
GV-Reader 1352 V2 / GV-R1352 / GV-RK1352 / GV-DFR1352 5
GV-Reader 1251 / GV-SR1251 6
GV-CR420 7
GV-GF1911 / GV-GF1912 8
GV-GF1921 / GV-GF1922 9
GV-CR1320 10
GV-FR2020 11
GV-RU9003 12
GV-DES1352 / QR1352 / R1354 13
GV-SR1352 14
GV-SRK1356 15

A. GV-AS Controller Compatibility with Readers

Models		GV-AS100 / 110 / 120	GV-AS1010	GV-AS1110	GV-AS210 / 2110 / 2120 / 410 / 4110 / 4111 / 810 / 8110 / 8111	GV-AS1520	GV-AS1620	GV-EV48	GV-CS1320
Built-in Reader		O	O	O	X	O	X	X	O
ID Format Supported by Built-in Reader		UID	GID / UID	GID / UID	X	EPC/TID	X	X	GID / UID
Supported Interfaces for Readers									
Wiegand		O	X	X	O	X	O	X	X
RS-485		O	O	X	O	O	O	O	O
TCP/IP		O (With GV-ASBox / ASNet)	O	O	O	O	O	O	O
Compatibility with Readers									
Readers	GV-Reader 1251 / GV-SR1251	X	X	X	O (Wiegand / RS-485)	O (RS-485)	O (Wiegand / RS-485)	O (RS-485)	O (RS-485)
	GV-Reader 1352 V2 / GV-R1352 / GV-RK1352 / GV-DFR1352	O (Wiegand / RS-485)(1)	O (RS-485)	X	O (Wiegand / RS-485)	O (RS-485)	O (Wiegand / RS-485)	O (RS-485)	O (RS-485)
	GV-CR420	O (Wiegand / RS-485 / TCP/IP)(1)	O (RS-485 / TCP/IP)	O (TCP/IP)	O (Wiegand / RS-485 / TCP/IP)	O (RS-485 / TCP/IP)	O (Wiegand / RS-485 / TCP/IP)	O (RS-485 / TCP/IP)	
	GV-FR2020	O (Wiegand)	X		O (Wiegand / TCP/IP)	X	O (Wiegand / TCP/IP)	O (TCP/IP)	
	GV-GF1911 / 1912	O (Wiegand / RS-485 / TCP/IP)(1)	X	X	O (Wiegand / RS-485(3) / TCP/IP (6))	X	O (Wiegand)	O (RS-485(3) / TCP/IP)	X
	GV-GF1921 / 1922	O (TCP/IP)							
	GV-PCR310 / 1251 / 1352 Enrollment	X							
	GV-CR1320	X			O (TCP/IP / via GV-WTR)	O (TCP/IP)	O (TCP/IP / via GV-WTR)	X	O (TCP/IP)
	GV-RU9003	X			O (Wiegand)	X	O (Wiegand)	X	
	GV-FR Panel V1	X			O (Wiegand / TCP/IP)	O (TCP/IP)	O (Wiegand / TCP/IP)	O (TCP/IP)	
	GV-FR Panel V2	X			O (Wiegand / TCP/IP)	X	O (Wiegand / TCP/IP)	O (TCP/IP)	
	GV-QR1352 / DES1352 / R1354	X			O (Wiegand (4) / RS-485 (7))	O (via GV-WTR)	O (Wiegand / RS-485)	O (RS-485)	O (via GV-WTR)
	GV-RKD1352 / R1355 / RKR1355 / RKV1355 / DFK1355	X			O (Wiegand / OSDP via RS-485 (5))	O (via GV-WTR)	O (Wiegand / OSDP via RS-485)	O (via GV-WTR)	O (OSDP via RS-485)
	GV-SR1352	X			O (Wiegand)	O (via GV-WTR)	O (Wiegand)	O (via GV-WTR)	O (via GV-WTR)
	GV-SRK1356	X			O (Wiegand / OSDP via RS-485 (5))	O (via GV-WTR)	O (Wiegand / OSDP via RS-485)	O (via GV-WTR)	O (OSDP via RS-485)

Models	GV-AS100 / 110 / 120	GV-AS1010	GV-AS1110	GV-AS210 / 2110 / 2120 / 410 / 4110 / 4111 / 810 / 8110 / 8111	GV-AS1520	GV-AS1620	GV-EV48	GV-CS1320
HID and Other 3rd Party Readers	O [4] (26~64 bit Wiegand)	O (via GV-WTR)	X	O [4] (26~64 bit Wiegand / via GV-WTR)	O (via GV-WTR)	O [4] (26~64 bit Wiegand)	O (via GV-WTR)	

Note:

1. **GV-AS100 / 110 / 120** support TCP/IP only through a GV-ASBox or GV-ASNet. For **GV-AS110 / 120**, a GV-ASBox or GV-ASNet is also required to connect to RS-485 readers.
2. Only supports 1**3.56 MHz ISO14443A**. When using third-party cards or key fobs, the reader must be set to UID mode.
3. RS-485 connection support with GV-GF1911 / 1912 has ended as of: GV-AS21 / 41 / 81 series controller firmware V1.41, GV-EV48 controller firmware V2.30, and GV-ASManager software V4.4.3.0.
4. Wiegand format support:
   - GV-Reader 1352 V2: 26 to 40 bits
   - GV-R1352 / RK1352 / DFR1352 / QR1352 / DES1352: 26-bit and 34-bit
   - GV-Reader 1251 / SR1251 / CR420 / GF1911 / GF1912: 26-bit only
5. Only GV-AS4110 / 4111 **Cloud** support OSDP via RS-485.
6. GV-AS4110 / 4111 **Cloud** do not support GV-GF1911 / 1912 readers.
7. GV-AS810 / 81110 / 8111 support GV-DES1352 / QR1352 / R1354 only via the RS-485A interface.
8. Specifications are subject to change without notice.

B. GV-IA1330 and GV-IS1320 Compatibility with Readers

Models		GV-IA1330	GV-IS1320
Built-in Reader		O	O
ID Formats Supported by Built-in Reader		UID	UID
Supported Interfaces for Readers			
Wiegand		X	X
RS-485		O	O
TCP/IP		X	X
Compatibility with Readers			
Readers	GV-Reader 1251 / GV-SR1251	O (RS-485)	O (RS-485)
	GV-Reader 1352 V2 / GV-R1352 / GV-RK1352 / GV-DFR1352	O (RS-485)	O (RS-485)
	GV-CR420	O (RS-485)	O (RS-485)
	GV-FR2020	X	X
	GV-GF1911 / 1912	X	X
	GV-GF1921 / 1922	X	X
	GV-PCR310 / 1251 / 1352 Enrollment	X	X
	GV-CR1320	X	X
	GV-RU9003	X	X
	GV-FR Panel	X	X
	GV-QR1352 / DES1352 / R1354	O (RS-485)	O (RS-485)
	GV-RKD1352 / R1355 / RKR1355 / RKV1355 / DFK1355	O (OSDP via RS-485)	O (OSDP via RS-485)
	GV-SR1352	X	X
	GV-SRK1356	O (OSDP via RS-485)	O (OSDP via RS-485)
HID and Other 3rd Party Readers		X	X

C. Number of Readers Supported by GeoVision Controllers

Note: The following tables indicate the number of readers directly supported by the controllers without the use of a GV-WTR converter. The converter can adapt any Wiegand interface on a reader to an RS-485 interface.

GV-Reader 1352 V2 / GV-R1352 / GV-RK1352 / GV-DFR1352

Controller	Wiegand	RS-485	TCP/IP
GV-AS100	1	1	Not supported
GV-AS110 / 120	1	Not supported	
GV-AS1010	Not supported	2	
GV-AS1110	Not supported	Not supported	
GV-AS100 / 110 / 120 with GV-ASBox	2	4	
GV-AS100 / 110 / 120 with GV-ASNet	Not supported	2	
GV-AS210 / 2110 / 2120 Kit	4	8	
GV-AS410 / 4110 Control Panel **GV-AS410 / 4110 / 4111 Kit**	8	8	
GV-AS810 / 8110 Control Panel **GV-AS810 / 8110 / 8111 Kit**	8	16	
GV-AS1520	Not supported	2	
GV-AS1620	2	2	
GV-EV48	Not supported	2	
GV-CS1320	Not supported	2	
GV-IA1330	Not supported	2	
GV-IS1320	Not supported	2	

GV-Reader 1251 / GV-SR1251

Controllers	Wiegand	RS-485	TCP/IP
GV-AS100 / 110 / 120 / 1010 / 1110	Not supported	Not supported	Not supported
GV-AS100 / 110 / 120 with GV-ASBox	Not supported	Not supported	
GV-AS100 / 110 / 120 with GV-ASNet	Not supported	Not supported	
GV-AS210 / 2110 / 2120 Kit	4	8	
GV-AS410 / 4110 Control Panel GV-AS410 / 4110 / 4111 Kit	8	8	
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit	8	16	
GV-AS1520	Not supported	Not supported	
GV-AS1620	2	2	
GV-EV48	Not supported	2	
GV-CS1320	Not supported	2	
GV-IA1330	Not supported	2	
GV-IS1320	Not supported	2	

GV-CR420

Controller	Wiegand	RS-485	TCP/IP
GV-AS100	1	1	Not supported
GV-AS110 / 120	1	Not supported	Not supported
GV-AS1010	Not supported	2	2
GV-AS1110	Not supported	Not supported	2
GV-AS100 / 110 / 120 with GV-ASBox	2	4	4
GV-AS100 / 110 / 120 with GV-ASNet	Not supported	2	2
GV-AS210 / 2110 / 2120 Kit	4	8	8
GV-AS410 / 4110 Control Panel **GV-AS410 / 4110 / 4111 Kit**	8	8	8
GV-AS810 / 8110 Control Panel **GV-AS810 / 8110 / 8111 Kit**	8	16	16
GV-AS1520	Not supported	2	2
GV-AS1620	2	2	2
GV-EV48	Not supported	2	2
GV-CS1320	Not supported	2	2
GV-IA1330	Not supported	2	Not supported
GV-IS1320	Not supported	2	Not supported

GV-GF1911 / GV-GF1912

Controller	Wiegand	RS-485	TCP/IP
GV-AS100	1	1	Not supported
GV-AS110 / 120	1	Not supported	Not supported
GV-AS1010 / 1110	Not supported	Not supported	Not supported
GV-AS100 / 110 / 120 with GV-ASBox	2	4	4
GV-AS100 / 110 / 120 with GV-ASNet	Not supported	2	2
GV-AS210 / 2110 / 2120 Kit	4	8 (1)	8
GV-AS410 / 4110 Control Panel **GV-AS410 / 4110 / 4111 Kit**	8	8 (1)	8 (2)
GV-AS810 / 8110 Control Panel **GV-AS810 / 8110 / 8111 Kit**	8	16 (1)	16
GV-AS1520	Not supported	Not supported	Not supported
GV-AS1620	2	Not supported	Not supported
GV-EV48	Not supported	2 (1)	2
GV-CS1320	Not supported	Not supported	Not supported
GV-IA1330	Not supported	Not supported	Not supported
GV-IS1320	Not supported	Not supported	Not supported

Note:

1. RS-485 connection support for GV-GF1911 / 1912 has ended from GV-AS21 / GV-AS41 / GV-AS81 series controller firmware V1.41, GV-EV48 controller firmware V2.30, and GV-ASManager software V4.4.3.0.
2. GV-AS4110 / 4111 **Cloud** do not support GV-GF1911 / 1912 readers.

GV-GF1921 / GV-GF1922

Controller	Wiegand	RS-485	TCP/IP
GV-AS100	Not supported	Not supported	Not supported
GV-AS110 / 120			Not supported
GV-AS1010			2
GV-AS1110			2
GV-AS100 / 110 / 120 with GV-ASBox			Not supported
GV-AS100 / 110 / 120 with GV-ASNet			Not supported
GV-AS210 / 2110 / 2120 Kit			8
GV-AS410 / 4110 Control Panel GV-AS410 / 4110 / 4111 Kit			8
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit			16
GV-AS1520			2
GV-AS1620			2
GV-EV48			2
GV-CS1320			2
GV-IA1330			Not supported
GV-IS1320			Not supported

GV-CR1320

Controller	via GV-WTR	TCP/IP
GV-AS210 / 2110 / 2120 Kit	4	8
GV-AS410 / 4110 Control Panel **GV-AS410 / 4110 / 4111 Kit**	8	8
GV-AS810 / 8110 Control Panel **GV-AS810 / 8110 / 8111 Kit**	8	16
GV-AS1520	Not supported	2
GV-AS1620	2	2
GV-CS1320	Not supported	2
GV-IA1330	Not supported	Not supported
GV-IS1320	Not supported	Not supported

GV-FR2020

Controller	Wiegand	RS-485	TCP/IP
GV-AS100	1	Not supported	Not supported
GV-AS110 / 120	1		Not supported
GV-AS1010 / 1110	Not supported		Not supported
GV-AS210 / 2110 / 2120 Kit	4		8
GV-AS410 / 4110 Control Panel **GV-AS410 / 4110 / 4111 Kit**	8		8
GV-AS810 / 8110 Control Panel **GV-AS810 / 8110 / 8111 Kit**	8		16
GV-AS1520	Not supported		Not supported
GV-AS1620	2		2
GV-EV48	Not supported		2
GV-CS1320	Not supported		2
GV-IA1330	Not supported		Not supported
GV-IS1320	Not supported		Not supported

GV-RU9003

Controller	Wiegand	RS-485	TCP/IP
GV-AS100	Not supported	Not supported	Not supported
GV-AS110 / 120			
GV-AS1010 / 1110			
GV-AS210 / 2110 / 2120 Kit	4		
GV-AS410 / 4110 Control Panel GV-AS410 / 4110 / 4111 Kit	8		
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit	8		
GV-AS1520	Not supported		
GV-AS1620	2		
GV-EV48	Not supported		
GV-CS1320	Not supported		
GV-IA1330	Not supported		
GV-IS1320	Not supported		

GV-DES1352 / QR1352 / R1354

Controller	Wiegand	RS-485	TCP/IP
GV-AS210 / 2110 / 2120 Kit	4	8	Not supported
GV-AS410 / 4110 Control Panel **GV-AS410 / 4110 / 4111 Kit**	8	8	
GV-AS810 / 8110 Control Panel **GV-AS810 / 8110 / 8111 Kit**	8	8	
GV-AS1620	2	2	
GV-EV48	Not supported	2	
GV-IA1330	Not supported	2	
GV-IS1320	Not supported	2	

Note: Integration of GV-QR1352 QR code readers with GV-Cloud Access Control requires GV-AS1620 (firmware V2.0 or later) or GV-AS4110 / GV-AS4111 Cloud controllers.

GV-RKD1352 / GV-R1355 / GV-RKR1355 / GV-RKV1355 / GV-DFK1355

Controller	Wiegand	RS-485	TCP/IP
GV-AS210 / 2110 / 2120 Kit	4	Not supported	Not supported
GV-AS410 / 4110 Control Panel **GV-AS410 / 4110 / 4111 Kit**	8	8 (1)	
GV-AS810 / 8110 Control Panel **GV-AS810 / 8110 / 8111 Kit**	8	Not supported	
GV-AS1620	2	2 (1)	
GV-AS Bridge	Not supported	8 (2)	
GV-CS1320	Not supported	2 (1)	
GV-IA1330	Not supported	2 (1)	
GV-IS1320	Not supported	2 (1)	

Note:

1. GV-RKD1352, GV-R1355, GV-RKR1355, GV-RKV1355, and GV-DFK1355 are OSDP compliant readers. Currently, only the following controllers support OSDP via RS-485: GV-AS1620, GV-AS4110 / 4111 **Cloud**, GV-CS1320, GV-IA1330, and GV-IS1320. For other GV-AS controllers, use the Wiegand interface instead.
2. Only GV-DFK1355 readers are supported by GV-AS Bridge for GV-Cloud Access Control integration.

GV-SR1352

Controller	Wiegand	RS-485	TCP/IP
GV-AS210 / 2110 / 2120 Kit	4	Not supported	Not supported
GV-AS410 / 4110 Control Panel **GV-AS410 / 4110 / 4111 Kit**	8		
GV-AS810 / 8110 Control Panel **GV-AS810 / 8110 / 8111 Kit**	8		
GV-AS1620	2		
GV-IA1330	Not supported		
GV-IS1320	Not supported		

GV-SRK1356

Controller	Wiegand	RS-485	TCP/IP
GV-AS210 / 2110 / 2120 Kit	4	Not supported	Not supported
GV-AS410 / 4110 Control Panel **GV-AS410 / 4110 / 4111 Kit**	8	8 (1)	
GV-AS810 / 8110 Control Panel **GV-AS810 / 8110 / 8111 Kit**	8	Not supported	
GV-AS1620	2	2 (1)	
GV-CS1320	Not supported	2 (1)	
GV-IA1330	Not supported	2 (1)	
GV-IS1320	Not supported	2 (1)	
Note: GV-SRK1356 is an OSDP compliant reader. Currently, only the following controllers support OSDP via RS-485: GV-AS1620, GV-AS4110 / 4111 **Cloud**, GV-CS1320, GV-IA1330, and GV-IS1320. For other GV-AS controllers, use the Wiegand interface instead (1).			