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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 ⁽⁴⁾ (Wiegand / RS-485)	O (via GV-WTR)	O (Wiegand / 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)	X	O (Wiegand)	X	X
	GV-SRK1356	X			O (Wiegand / OSDP via RS-485 ⁽⁵⁾)	X	O (Wiegand / OSDP via RS-485)	X	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 **13.56 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 Cloud does not support GV-GF1911 / 1912 readers.
7. Specifications are subject to change without notice.



GV-IA1330 Compatibility with Readers

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



Number of Readers Supported by GV-AS Controllers

[GV-Reader 1352 V2](#) / [GV-R1352](#) / [GV-RK1352](#) / [GV-DFR1352](#)

GV-AS Controllers	Wiegand	RS-485	TCP/IP
GV-AS100	1	1	Readers listed do not support TCP/IP
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	8	8	
GV-AS410 / 4110 / 4111 Kit			
GV-AS810 / 8110 Control Panel	8	16	
GV-AS810 / 8110 / 8111 Kit			
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-Reader 1251 / GV-SR1251

GV-AS Controllers	Wiegand	RS-485	TCP/IP
GV-AS100 / 110 / 120 / 1010 / 1110	Not supported	Not supported	Readers listed do not support TCP/IP
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	Readers listed do not support TCP/IP
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-CR420

	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-GF1911 / GV-GF1912

	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

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 Cloud does not support GV-GF1911 / 1912 readers.



GV-GF1921 / GV-GF1922

	Wiegand	RS-485	TCP/IP
GV-AS100	Readers listed do not support Wiegand	Readers listed do not support RS-485	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			8
GV-AS410 / 4110 / 4111 Kit			
GV-AS810 / 8110 Control Panel			16
GV-AS810 / 8110 / 8111 Kit			
GV-AS1520			2
GV-AS1620			2
GV-EV48			2
GV-CS1320			2
GV-IA1330	Not supported	Not supported	Not supported



GV-CR1320

	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-FR2020

	Wiegand	RS-485	TCP/IP
GV-AS100	1	Reader listed does not support RS-485	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	Not supported



GV-RU9003

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



GV-DES1352

	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	Not supported
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit	8	8	Not supported
GV-AS1620	2	2	Not supported
GV-IA1330	Not supported	Not supported	Not supported

GV-QR1352

	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	Not supported
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit	8	8	Not supported
GV-AS1620	2	2	Not supported
GV-IA1330	Not supported	Not supported	Not supported



GV-R1354

	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	Not supported
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit	8	8	Not supported
GV-AS1620	2	2	Not supported
GV-IA1330	Not supported	Not supported	Not supported

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

	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⁾	Not supported
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit	8	Not supported	Not supported
GV-AS1620	2	2 ⁽¹⁾	Not supported
GV-AS Bridge	Not supported	8 ⁽²⁾	Not supported
GV-CS1320	Not supported	2 ⁽¹⁾	Not supported
GV-IA1330	Not supported	2 ⁽¹⁾	Not supported

Note:

- 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, and GV-IA1330. For other GV-AS controllers, use the Wiegand interface instead.
- Only GV-DFK1355 readers are supported by GV-AS Bridge for GV-Cloud Access Control integration.



GV-SR1352

	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	Not supported	Not supported
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit	8	Not supported	Not supported
GV-AS1620	2	Not supported	Not supported
GV-IA1330	Not supported	Not supported	Not supported

GV-SRK1356

	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⁾	Not supported
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit	8	Not supported	Not supported
GV-AS1620	2	2 ⁽¹⁾	Not supported
GV-CS1320	Not supported	2 ⁽¹⁾	Not supported
GV-IA1330	Not supported	2 ⁽¹⁾	Not supported

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, and GV-IA1330. For other GV-AS controllers, use the Wiegand interface instead ⁽¹⁾.