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Compatibility Chart for GV-AS Controllers

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 Formats 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)	O (RS-485 / TCP/IP)	
	GV-FR2020	O (Wiegand)	X		O (Wiegand / TCP/IP)	X	O (Wiegand / TCP/IP)	O (TCP/IP)	O (TCP/IP)	
	GV-GF1911 / 1912	O (Wiegand / RS-485 / TCP/IP) ⁽¹⁾	X	X	O (Wiegand / RS-485 ⁽³⁾ / TCP/IP)	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	X				O (Wiegand / TCP/IP)	O (TCP/IP)	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	X				O (Wiegand)	O (via GV-WTR)	O (Wiegand / RS-485)	O (via GV-WTR)	O (RS-485)	
HID and Other 3rd Party Readers		O ⁽⁵⁾ (26-64 bit Wiegand)	O (via GV-WTR)	X	O ⁽⁵⁾ (26-64 bit Wiegand / via GV-WTR)	O (via GV-WTR)	O ⁽⁵⁾ (26-64 bit Wiegand)	O (via GV-WTR)		
Compatibility with Cards										
Card & Fob	GV-AS ID E Card & Key Fob (125 KHz)	X							X	
	GV-AS ID M Card & Key Fob (13.56 MHz)	O							O	
	GV-AS ID F Card & Key Fob (13.56 MHz)	O							O	
HID and Other 3rd Party Card & Key Fob		O ⁽²⁾							O ⁽²⁾	
See "Compatibility with Cards" of the supported readers below										



Note:

1. **GV-AS100 / 110 / 120** only support TCP/IP through a GV-ASBox or GV-ASNet. For **GV-AS110 / 120**, a GV-ASBox or GV-ASNet is required to connect to readers through RS-485.
2. Only supports 13.56 MHz for ISO14443A (Mifare DESFire, Mifare Plus and Mifare Classic). When using third-party cards or key fobs, the reader must be set to UID mode.
3. The support for RS-485 connection for GV-GF1911 / 1912 has ended from **GV-AS21 / 41 / 81** series / **GV-EV48** Controller V1.41 / V2.30 and GV-ASManager V4.4.3.0.
4. **GV-AS810 / 8110 / 8111** do not support GV-QR1352 / DES1352 via RS-485.
5. GV-Reader 1352 V2 supports 26~40 bit Wiegand; GV-R1352 / RK1352 / DFR1352 / QR1352 / DES1352 support 26 / 34 bit Wiegand; GV-Reader 1251 / GV-SR1251 / GV-CR420 / GF1911 / GF1912 support 26 bit Wiegand.
6. Specifications are subject to change without notice.



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	8	8	
GV-AS810 / 8110 Control Panel	8	16	
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-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-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-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*	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	Not supported	Not supported
GV-AS1620	2	Not supported	Not supported
GV-EV48	Not supported	2*	2
GV-CS1320	Not supported	Not supported	Not supported

Note: The support for RS-485 connection for GV-GF1911 / 1912 has ended from **GV-AS21 / 41 / 81** series / **GV-EV48** Controller firmware V1.41 / V2.30 and GV-ASManager V4.4.3.0.



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-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-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-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 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-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	Not supported	Not supported
GV-AS1620	2	2	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	Not supported	Not supported
GV-AS1620	2	2	Not supported

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

	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	2	Not supported
GV-CS1320	Not supported	2	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	Not supported	Not supported
GV-AS1620	2	2	Not supported