



Compatibility Chart for GV-AS Controllers

Models		GV-AS100 / 110 / 120	GV-AS1010	GV-AS1110	GV-AS210 / 2110 / 410 / 4110 / 810 / 8110 (Control Panel & Kit)	GV-EV48
Built-in Reader		O	O	O	X	X
ID Formats Supported by Built-in Reader		UID	GID / UID	GID / UID	X	X
Supported Interfaces for Readers						
Wiegand		O	X	X	O	O (With GV-Wiegand Capture)
RS-485		O	O	X	O	O
TCP/IP		O (With GV-ASBox / ASNet)	O	O	O	O
Compatibility with Readers						
GV Readers	GV-Reader 1251 / 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)
	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)
	GV-GF1911 / 1912	O (Wiegand / RS-485 / TCP/IP) ⁽¹⁾	O (RS-485)	X	O (Wiegand / RS-485 / TCP/IP)	O (RS-485 / TCP/IP)
	GV-GF1921 / 1922	O (TCP/IP)				
	GV-PCR310 Enrollment Reader	X				
HID and Other 3rd Party Readers		O (Wiegand, 26~64 bit format)	X		O (Wiegand, 26~64 bit format)	O (With GV-Wiegand Capture)
Compatibility with Cards						
GV Card & Key Fob	GV-AS ID E Card & Key Fob (125 KHz)	X			See "Compatibility with Cards" of the supported readers below	
	GV-AS ID M Card & Key Fob (13.56 MHz)	O				
	GV-AS ID F Card & Key Fob (13.56 MHz)	O				
HID and Other 3rd Party Card & Key Fob	O ⁽²⁾					

Note:

1. **GV-AS100 / 110 / 120** only supports TCP/IP interface 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). If you are using third-party cards or key fobs, the reader must be under UID mode.
3. All specifications are subject to change without notice.



Compatibility Chart for GV-Readers

Models		GV-Reader 1251	GV-Reader 1352 V2 / GV-DFR1352 / GV-R1352 / GV-RK1352	GV-CR420	GV-GF1911 / 1912	GV-GF1921 / 1922	GV-PCR310 Enrollment Reader	
Supported ID Formats		UID only	GV-Reader 1352 V2 / DFR1352: UID only GV-R1352 / RK1352: GID and UID	UID only				
Supported Interfaces for Controllers								
Wiegand		O					X	
RS485		O					X	
TCP/IP		X			O			X
USB		X					O	
Compatibility with Controllers								
GV-AS Controllers	GV-AS100 / 110 / 120	O (Wiegand / RS-485) ⁽¹⁾			O ⁽¹⁾ (Wiegand / RS-485 / TCP/IP)		X	X
	GV-AS1010	O (RS-485)			O (RS-485 / TCP/IP)	O (RS-485)	O (TCP/IP)	
	GV-AS1110	X			O (TCP/IP)	X	O (TCP/IP)	
	GV-AS210 / 2110 / 410 / 4110 / 810 / 8110 (Control Panel & Kit)	O (Wiegand / RS-485)			O (Wiegand / RS-485 / TCP/IP)		O (TCP/IP)	
	GV-EV48	O (RS485)			O (RS-485 / TCP/IP)		O (TCP/IP)	
HID and Other 3 rd Party Controllers		O (Wiegand) ⁽²⁾					X	



Models		GV-Reader 1251	GV-Reader 1352 V2 / GV-DFR1352 / GV-R1352 / GV-RK1352	GV-CR420	GV-GF1911 / 1912	GV-GF1921 / 1922	GV-PCR310 Enrollment Reader
Compatibility with Cards							
GV Card & Key Fob	GV-AS ID E Card & Key Fob (125 KHz)	O		X			
	GV-AS ID M Card & Key Fob (13.56 MHz)	X		O			
	GV-AS ID F Card & Key Fob (13.56 MHz)						
HID and Other 3 rd Party Card & Key Fob		O ⁽³⁾		O ⁽⁴⁾			

Note:

1. **GV-AS100 / 110 / 120** only supports TCP/IP interface 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. **GV-Reader 1251 / 1352 V2** supports Wiegand 26~40 bits; **GV-R1352 / RK1352 / DFR1352** supports Wiegand 26 / 34 bits; **GV-CR420 / GF1911 / GF1912** supports Wiegand 26 bits only.
3. Only supports 125 KHz (Proximity EM Card). If you are using third-party cards or key fobs, the reader must be under UID mode.
4. Only supports 13.56 MHz for ISO14443A (Mifare DESFire, Mifare Plus and Mifare Classic). **GV-Reader 1352 V2 / GV-PCR310** supports Mifare Classic only.
5. All specifications are subject to change.