Compatibility Chart for GV-AS Controllers

Models	GV-AS100 / 110 / 120	GV-AS1010	GV-AS1110	GV-AS210 / 2110 / 410 / 4110 / 810 / 8110	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 Readers — 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 Readers — 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 Readers — GV-GF1921 / 1922	O (TCP/IP)				
GV Readers — 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 Card & Key Fob — GV-AS ID M Card & Key Fob (13.56 MHz)	O				
GV Card & Key Fob — 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-AS Controllers — GV-AS1010	O (RS-485)		O (RS-485 / TCP/IP)	O (RS-485)	O (TCP/IP)	X
GV-AS Controllers — GV-AS1110	X		O (TCP/IP)	X	O (TCP/IP)	X
GV-AS Controllers — GV-AS210 / 2110 / 410 / 4110 / 810 / 8110	O (Wiegand / RS-485)		O (Wiegand / RS-485 / TCP/IP)		O (TCP/IP)	X
GV-AS Controllers — GV-EV48	O (RS485)		O (RS-485 / TCP/IP)		O (TCP/IP)	X
HID and Other 3rd Party Controllers	O (Wiegand) [2]				X	
Compatibility with Cards						
GV Card & Key Fob — GV-AS ID E Card & Key Fob (125 KHz)	O	X				
GV Card & Key Fob — GV-AS ID M Card & Key Fob (13.56 MHz)	X	O				
GV Card & Key Fob — GV-AS ID F Card & Key Fob (13.56 MHz)	X	O				
HID and Other 3rd 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.