








The H/W Comparison Table of GV-Reader Series

Models	GV-R1352	GV-RK1352	GV-DFR1352 (Rev. B)
Picture			
Hardware			
CPU	8-bit microprocessor	8-bit microprocessor	8-bit microprocessor
Frequency	13.56 MHz for ISO14443A (Mifare DESFire, Mifare Plus and Mifare Classic)		
Wiegand Interface	Wiegand 26 / 34 bits, distance 100 m (328.1ft), 24 AWG, 13V DC min., 85 °C min		
RS-485	9,600 bps, distance 600 m (1968.50 ft), 24 AWG, 13V DC min., 85 °C min		
Keypad	No	Yes	No
Supported ID Formats	GID and UID	GID and UID	GID and UID
LED	Red, Green and Blue LED	Red, Green and Blue LED	Red, Green and Blue LED
Beeper	Buzzer	Buzzer	Buzzer
Reader Color	Black	Black	Black
General			
Operating Temperature	-35 °C ~ 66 °C / -31°F ~ 150.8°F	-35 °C ~ 65 °C / -31 °F ~ 149 °F	-35 °C ~ 66 °C / -31°F ~ 150.8°F
Operating Humidity	10% ~ 90% (no condensation)	10% ~ 90% (no condensation)	10% ~ 90% (no condensation)
Input Rating	7.5V DC~12V DC, 200mA	7.5V DC~12V DC, 200mA	7.5V DC~12V DC, 200mA
Dimensions (W x H x D)	65.80 x 115.6 x 20.5 mm / 2.6 x 4.6 x 0.8 in	95 x 108 x 23 mm / 3.74 x 4.25 x 0.91 in	20.9 x 105.6 x 20.5 mm / 0.8 x 4.2 x 0.8 in
Weight	120 g / 0.26 lb	260 g / 0.57 lb	80 g / 0.17 lb
Ingress Protection	IP66	IP66	IP66
Certification	CE, FCC, RoHS, UL 294, CUL	CE, FCC, RoHS, UL294	CE, FCC, RoHS, UL 294, CUL

All specifications are subject to change without notice.



The H/W Comparison Table of GV-Reader Series

Models	GV-Reader 1251	GV-SR1251	GV-Reader 1352 V2
Picture			
Hardware			
CPU	8-bit microprocessor		
Frequency	125 kHz (Proximity EM Card)	13.56 MHz for ISO14443A (Mifare Classic)	
Wiegand Interface	Wiegand 26 bits, distance 30m (98.43 ft) via GV-AS210 / 410 / 810	Wiegand 26 bits, distance 100 m (328.1 ft) via AS2110 / 2120 / 4110/ 8110	Wiegand 26 - 40 bits, distance 30 m (98.43 ft)
RS-485	9,600 bps, distance 600 m (1968.50 ft)		
Keypad	No		
Supported ID Formats	UID only		
LED	Red and Green LED	Red, Green and Blue LED	Red and Green LED
Beeper	Buzzer		
Reader Color	Gray		
General			
Operating Temperature	-35 °C ~ 65 °C / -31 °F ~ 149 °F		
Operating Humidity	10% ~ 90% (no condensation)		
Power Source	DC 7.5V – 12V		
Power Consumption	60 mA		
Dimensions (W x H x D)	75 x 115 x 15 mm / 3 x 4.5 x 0.6 in		
Weight	150 g / 0.33 lb	125 g / 0.27 lb	150 g / 0.33 lb
Ingress Protection	IP54	IP66	IP54
Certification	CE, FCC, RoHS		

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The H/W Comparison Table of GV-QR1352 and GV-DES1352



Models	GV-QR1352	GV-DES1352
Picture		
Hardware		
Frequency	Dual Band (13.56 MHz & 125 kHz) 125 kHz (Proximity EM Card) 13.56 MHz for ISO14443A (Mifare Classic)	
Wiegand Interface	Wiegand 26 / 34 bits, distance 30 m (98.43 ft)	
RS-485	9,600 bps, distance 600 m (1968.50 ft)	
Keypad	No	
Supported ID Formats	UID, DESFire ID	
LED	Bi-color LED (Red / Green)	
Beeper	Buzzer	
Reader Color	Black	
QR Code Reader	Yes	No
General		
Operating Temperature	-20 °C ~ 65°C / -20 °C ~ 65°C	
Operating Humidity	20% ~ 90% (no condensation)	
Power Source	DC 9-24V	
Power Consumption	85 mA	
Dimensions	US: 118 (L) x 81 (W) x 9 (H) / 34 (H) mm; 4.65 (L) x 3.19 (W) x 0.35 (H) / 1.34 (H) in EU: 88 (L) x 86 (W) x 9 (H) / 34 (H) mm; 3.46 (L) x 3.39 (W) x 0.35 (H) / 1.34 (H) in	
Weight	120 g (US), 110 g (EU)	
Ingress Protection	IP55	

Note:

1. For **GV-QR1352** to support dynamic QR codes and smarphone access, RS-485 connection is required.
2. All specifications are subject to change without notice.



The Comparison Table of GV-Cards & Key Fobs

Models	GV-AS ID Card		GV-AS ID Key Fob	
	125 KHz	13.56 MHz	125 KHz	13.56 MHz
Picture				
Operating Temperature	-20 °C ~ 75 °C / -4 °F ~ 167 °F			
Dimensions (W x H x D)	85.6 x 54.0 x 0.8 mm / 3.37 x 2.13 x 0.03 in		36.6 x 30.0 x 7.4 mm / 1.44 x 1.18 x 0.29 in	
Read Range	2.5 ~ 7 cm / 0.98 ~ 2.76 in			
Read / Write Capability	Read only			
Lifespan	More than 100,000 read times			
Coding Format	Wiegand 26 bits			
Compatible Devices	GV-Reader: GV-Reader 1251 / SR1251	GV-AS Controller: GV-AS100 / 110 / 120 / 1010 / 1110 GV-Reader: GV-Reader 1352 V2 / GV-RK1352 / GV-R1352 / GV-CR420 / GV-DFR1352 GV-GF Fingerprint Reader (Card Only Mode): GV-GF1911 / 1912 / 1921 / 1922	GV-Reader: GV-Reader 1251 / SR1251	GV-AS Controller: GV-AS100 / 110 / 120 / 1010 / 1110 GV-Reader: GV-Reader 1352 V2 / GV-RK1352 / GV-R1352 / GV-CR420 / GV-DFR1352 GV-GF Fingerprint Reader (Card Only Mode): GV-GF1911 / 1912 / 1921 / 1922

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