






Comparison Chart for GV-AS Controllers

GV-AS100 / GV-AS110 / GV-AS120 / GV-AS1010 / GV-AS1110 / GV-CS1320

Models		GV-AS100	GV-AS110	GV-AS120	GV-AS1010	GV-AS1110	GV-CS1320
							
Hardware							
CPU		8-bit RISC microprocessor	32-bit RISC microprocessor		32-bit ARM7TDMI		32-bit RISC microprocessor
Communication		RS-485 TCP/IP (with GV-ASBox / ASNet)			TCP/IP		TCP/IP
Built-in Reader		O (Reads UID only)			O (Reads GID or UID)		O (Reads GID or UID)
Keypad		O	O	X	O	O	X
Micro SD Card		X	X	X	X	X	O
Battery Types		Replaceable Button Cell	Built-in Battery				Built-in Battery
Support for Backup Battery		O (with GV-ASBox / ASNet)			N/A		N/A
Function							
Doors Supported	One-way	1 2 (with GV-ASBox)			1	1	
	Two-way	1 2 (with GV-ASBox)			1	1	
Readers Supported	Wiegand	1 2 (with GV-ASBox)			N/A	N/A	
	RS-485	1 3 (with GV-ASNet) 5 (with GV-ASBox)	2 (with GV-ASNet) 4 (with GV-ASBox)		2	N/A	2
	TCP/IP	2 (with GV-ASNet) 4 (with GV-ASBox)			2	2	
I/O Supported	Standard	3 in / 2 out		2 in / 1 out	3 in / 2 out	2 in / 1 out	2 in / 1 out
	Optional	11 in / 10 out (with GV-ASBox)		10 in / 9 out (with GV-ASBox)	N/A		N/A









Models	GV-AS100	GV-AS110	GV-AS120	GV-AS1010	GV-AS1110	GV-CS1320
Bell Button Support	N/A					O
Number of User Cards	1000 / 40,000 Cards (Standalone / networked or RS-485 mode)			1000 / 40,000 cards (standalone / networked mode)		100,000 cards
Event Buffer	65,536					50,000
Receiving Data through TCP/IP	O (with GV-ASBox / Net)			O		O
Weigand Card Format	26 ~ 64 bits			26 bits		26 bits
Camera						
Camera Resolution	N/A					2 MP
IR LED Quantity	N/A					2 IR LEDs
Audio Support	N/A					Two-way Audio
General						
Operating Temperature	0 ~ 65°C / 32 ~149°F	-35 ~ 65°C / -31 ~ 149°F		0 ~ 65°C / 32 ~149°F	-35 ~ 65°C / -31 ~ 149°F	-10 ~ 50 °C (14 ~ 122 °F)
Operating Humidity	10% ~ 90% RH (non-condensing)					
Power	12V DC, 1A	12V DC, 1.25A				12V DC, 2.5A PoE (IEEE 802.3at)
Power Supply Output (For GV-AS Kit only)	N/A					N/A
Power Adapter Board Output (For GV-AS Kit only)	N/A					N/A
Dimension (L x W x H)	96 x 137 x 27 mm / 3.78 x 5.39 x 1.06 in	95 x 108 x 23 mm / 3.74 x 4.25 x 0.91 in	65.8 x 115.6 x 20.5 mm / 2.6 x 4.6 x 0.8 in	96 x 137 x 27 mm / 3.78 x 5.39 x 1.06 in	95 x 108 x 23 mm / 3.74 x 4.25 x 0.91 in	137 x 80 x 34.5 mm / 5.4 x 3.15 x 1.36 in
Weight	250 g / 0.55 lb	200 g / 0.44 lb	138 g / 0.3 lb	250 g / 0.55 lb	270 g / 0.59 lb	315 g / 0.69 lb
Ingress Protection	IP54		IP66	IP54	IP66	
Certification	CE, FCC, RoHS					CE, FCC, RCM, RoHS

All specifications are subject to change without notice.



GV-AS210 / 2110 / 2120, GV-AS410 / 4110 / 810 / 8110, GV-AS410 / 4110 / 4111 / 810 / 8110 / 8111 Kit, GV-AS1520 and GV-AS1620

Models		GV-AS210 / 2110 / 2120	GV-AS410 / 4110 / 810 / 8110	GV-AS410 / 4110 / 810 / 8110 Kit	GV-AS4111 / 8111 Kit	GV-AS1520	GV-AS1620
							
Hardware							
CPU		32-bit ARM7TDMI				32-bit ARM-based RISC	32-bit ARM9
Communication		TCP/IP					
Built-in Reader		X	X	X	X	O	X
Keypad		X	X	X	X	X	X
Micro SD Card		O	O	O	O	X	X
Battery Types		AS210: Built-in Battery (Irreplaceable) AS2110 / 2120: Replaceable Button Cell	AS410 / 810: Built-in Battery (Irreplaceable) AS4110 / 8110: Replaceable Button Cell		Replaceable button cell (CR2032)	Built-in Battery	X
Support for Backup Battery		O				X	X
Doors Supported	One-way	4	AS410 / 4110: 4 AS810 / 8110: 8		AS4111: 4 AS8111: 8	1	
	Two-way	2 (Wiegand only) 4 (RS-485 / Network) 4 (Wiegand + RS-485 / Network)	AS410 / 4110: 4 AS810 / 8110: 4 (Wiegand only), 8 (RS-485 / Network), 8 (Wiegand + RS-485 / Network)		AS4111: 4 AS8111: 4 (Wiegand only) 8 (RS-485 / Network) 8 (Wiegand + RS-485 / Network)	1	
Readers Supported	Wiegand	4	8		8	N/A	2
	RS-485	8	AS410 / 4110: 8 AS810 / 8110: 16		AS4111: 8 AS8111: 16	2	
	TCP/IP	8	AS410 / 4110: 8 AS810 / 8110: 16		AS4111: 8 AS8111: 16	2	



Models		GV-AS210 / 2110 / 2120	GV-AS410 / 4110 / 810 / 8110	GV-AS410 / 4110 / 810 / 8110 Kit	GV-AS4111 / 8111 Kit	GV-AS1520	GV-AS1620
I/O Supported	Standard	8 in / 8 out	16 in / 24 out		16 in / 24 out	1 in / 4 out	4 in / 4 out
	Optional	N/A					
Number of User Cards		100,000 cards					
Event Buffer		1,000,000					
Receiving Data through TCP/IP		O					
Weigand Card Format		26 ~ 64 bits				64 bits	26 ~ 64 bits
General							
Operating Temperature		0 ~ 65°C / 32 ~ 149°F				-20 ~ 55 °C / -4 ~ 131°F	0°C ~ 65°C / 32°F ~ 149°F
Operating Humidity		10% ~ 90% RH (non-condensing)					5% ~ 95% RH (Non-Condensing)
Power		AS210 / 2110: 12V DC, 3A AS2120: 12V DC, 3A / PoE+ (IEEE 802.3at, 25.5W)	AS410 / 4110: 12V DC, 3.5A AS810 / 8110: 12V DC, 5A	US Standard: AC 110 ~120V, 50 ~ 60Hz EU Standard: AC 200 ~240V, 50 ~ 60Hz	US Standard (UL 294): AC 110 ~120V, 50 ~ 60Hz, 1.7A EU Standard: AC 200 ~240V, 50 ~ 60Hz	12V DC, 1.25A / PoE+ (IEEE 802.3at, provides up to 25.5 W)	12V DC, 3A / PoE+ (IEEE 802.3at, provides up to 25.5W)
Power Supply Output (For GV-AS Kit only)		N/A		DC Voltage Range: 12V Rated Current: 12.5A Current Range: 0~10A Rated Power: 150 W	DC Voltage Range: 11V ~ 13V (Nominal 12V) Rated Current: 13A Rated Power: 150 W	N/A	
Power Adapter Board Output (For GV-AS Kit only)		N/A		DC Voltage Range: 12V Rated Current: 0.9A Rated Power: 10.8 W	DC Voltage Range: 12V Rated Current: 0.5A Rated Power: 6 W	N/A	
Dimension (L x W x H)		210 x 204 x 46.6 mm / 8.27 x 8.03 x 1.83 in (case included)	210 x 187 x 40 mm / 8.27 x 7.36 x 1.57 in	420 x 300 x 110 mm / 16.5 x 11.8 x 4.33 in		228 x 228 x 52.3 mm / 8.97 x 8.97 x 2.04 in	111.4 x 27.5 x 101 mm / 4.39 x 1.08 x 3.98 in
Weight		810 g / 1.79 lb (case included)	900 g / 2 lb	4.4 kg / 9.68 lb		590 g / 1.30 lb	235 g / 0.52 lb
Ingress Protection		N/A				IP56	IP54
Certification		CE, FCC, RoHS			UL 294, CE, FCC, RoHS	CE, FCC, RoHS	

All specifications are subject to change without notice.