











Comparison Chart for GV-AS Controllers

Models		GV-AS100	GV-AS110	GV-AS120	GV-AS1010	GV-AS1110	GV-AS210 / 2110	GV-AS410 / 4110 / 810 / 8110	GV-AS410 / 4110 / 810 / 8110 Kit	
										
Hardware										
CPU		8-bit RISC microprocessor	32-bit RISC microprocessor			32-bit ARM7TDMI				
Communication		RS-485 TCP/IP (with GV-ASBox / ASNet)			TCP/IP					
Built-in Reader		O (Reads UID only)			O (Reads GID or UID)		X	X	X	
Keypad		O	O	X	X	O	X	X	X	
Micro SD Card		X	X	X	O	X	O	O	O	
Battery Types		Replaceable Button Cell	Built-in Battery				AS210: Built-in Battery AS2110: Replaceable Button Cell	AS410 / 810: Built-in Battery AS4110 / 8110: Replaceable Button Cell		
Support for Backup Battery		O (with GV-ASBox / ASNet)			N/A		O			
Function										
Doors Supported	One-way	1 2 (with GV-ASBox)			1		4	AS410 / 4110: 4 AS810 / 8110: 8		
	Two-way	1 2 (with GV-ASBox)			1		2 (Wiegand only) 4 (Wiegand + RS-485 / Network)	AS410 / 4110: 4 AS810 / 8110: 4 (Wiegand only) 8 (Wiegand / RS-485 / Network)		
Readers Supported	Wiegand	1 2 (with GV-ASBox)			N/A		4	8		
	RS-485	1 3 (with GV-ASNet) 5 (with GV-ASBox)	2 (with GV-ASNet) 4 (with GV-ASBox)		2	N/A	8	AS410 / 4110: 8 AS810 / 8110: 16		
	TCP/IP	2 (with GV-ASNet) 4 (with GV-ASBox)			2		8	AS410 / 4110: 8 AS810 / 8110: 16		
I/O Supported	Standard	3 in / 2 out		2 in / 1 out	3 in / 2 out	2 in / 1 out	8 in / 8 out	16 in / 24 out		
	Optional	11 in / 10 out (with GV-ASBox)		10 in / 9 out (with GV-ASBox)	N/A		N/A	N/A		



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Number of User Cards	1000 / 40,000 Cards (Standalone / networked or RS-485 mode)			1,000 / 40,000 cards (standalone / networked mode)		40,000 cards		
Event Buffer	65,536					1,000,000		
Receiving Data through TCP/IP	O (with GV-ASBox / Net)			O				
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		0 ~ 65°C / 32 ~ 149°F	
Operating Humidity	10% ~ 90% RH (non-condensing)							
Power	AC 100 ~ 240V, 50 ~ 60Hz					AC 100 ~250V, 50 ~ 60Hz		US Standard: AC 110 ~120V, 50 ~ 60Hz EU Standard: AC 200 ~240V, 50 ~ 60Hz
Power Supply Output	N/A							DC Voltage Range: 12V Rated Current: 12.5A Current Range: 0~10A Rated Power: 150 W
Power Adapter Board Output	N/A							DC Voltage Range: 12V Rated Current: 0.9A Rated Power: 10.8 W
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	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
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	810 g / 1.79 lb (case included)	900 g / 2 lb	4.4 kg / 9.68 lb
Ingress Protection	IP54		IP66	IP54	IP66	N/A		
Certification	CE, FCC, RoHS							

All specifications are subject to change without notice.