Comparison Chart for GV-AS Controllers

Models	GV-AS100	GV-AS110	GV-AS120	GV-AS210	GV-AS400	GV-AS410 / 810
Hardware						
CPU	8-bit RISC microprocessor	32-bit RISC microprocessor		32-bit ARM7TDMI	8-bit RISC microprocessor	32-bit ARM7TDMI
Communication	RS-485 TCP/IP (with GV-ASBox / ASNet)			TCP/IP		
Keypad	O	O	X	X	O (with GV-AS Keypad)	X
Micro SD Card	X	X	X	O	X	O
Battery Supported	O (with GV-ASBox / ASNet)			O	O (with Power Board)	O
Function						
Doors Supported — One-way	1 / 2 (with GV-ASBox)			4	4	**GV-AS410:** 4 / **GV-AS810:** 8
Doors Supported — Two-way	1 / 2 (with GV-ASBox)			2 (Wiegand only) / 4 (Wiegand & RS-485 / Network)	4	**GV-AS410:** 4 / **GV-AS810:** 4 (Wiegand only) / 8 (Wiegand & RS-485 / Network)
Readers Supported — Wiegand	1 / 2 (with GV-ASBox)			4	8	8
Readers Supported — RS-485	1 / 3 (with GV-ASNet) / 5 (with GV-ASBox)	2 (with GV-ASNet) / 4 (with GV-ASBox)		8		
I/O Supported — Standard	3 in / 2 out		2 in / 1 out	8 in / 8 out	16 in / 16 out	16 in / 24 out
I/O Supported — Optional	11 in / 10 out (with GV-ASBox)		10 in / 9 out (with GV-ASBox)	N/A	80 in / 80 out (with 4 GV-IO Box)	N/A
Number of User Cards	1000 / 40,000 Cards (Standalone / networked or RS-485 mode)			40,000 cards		
Event Buffer	65,536			1,000,000	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		
Operating Humidity	10% ~ 90% RH (non-condensing)					
Power	AC 100 ~ 240V, 50 ~ 60Hz			AC 100 ~250V, 50 ~ 60Hz		
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	210 x 204 x 46.6 mm / 8.27 x 8.03 x 1.83 in (case included)	210 x 170 x 30 mm / 8.27 x 6.69 x 1.18 in	210 x 187 x 40 mm / 8.27 x 7.36 x 1.57 in
Weight	250 g / 0.55 lb	200 g / 0.44 lb	138 g / 0.3 lb	810 g / 1.79 lb (case included)	750 g / 1.65 lb	900 g / 2 lb
Ingress Protection	IP54		IP66	N/A		
Certification	CE, FCC, RoHS		CE, FCC, RoHS	CE, FCC, RoHS		

All specifications are subject to change without notice.