Comparison for GV-AS Controllers

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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					
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
Backup Battery Support		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 (RS-485 / OSDP [1])
	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
TCP/IP Based Data Input	O (with GV-ASBox / Net)			O		O
Wiegand 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
Dimensions (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

Note:

1. For the RS-485 interface, connect only one of the following readers to the GV-CS1320 controller: GV-RS-485 readers or OSDP compliant readers.
2. All specifications are subject to change without notice.

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

Models		GV-AS210 / 2110 / 2120	GV-AS410 / 4110 / 810 / 8110	GV-AS4111 / 8111 Kit	GV-AS1520	GV-AS1620
						
		Hardware				
Communication		TCP/IP				
Built-in Reader		X	X	X	O	X
Keypad		X	X	X	X	X
Micro SD Card		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
Backup Battery Support		O			X	X
		Function				
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	N/A	2
	RS-485	8 [(2)]	**AS410 / 4110:** 8 [(2)] [(3)] **AS810 / 8110:** 16 [(2)]	**AS4111:** 8 [(2)] [(3)] **AS8111:** 16 [(2)]	2	2 (RS-485 / OSDP [(1)])
	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-AS4111 / 8111 Kit	GV-AS1520	GV-AS1620
I/O Supported	Standard	8 in / 8 out	16 in / 24 out [4]	16 in / 24 out [4]	1 in / 4 out	4 in / 4 out
	Optional	N/A				
Number of User Cards		100,000 cards				
Event Buffer		1,000,000			65,535	
TCP/IP Based Data Input		O				
Wiegand 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 (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:** 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:** 0.5A **Rated Power:** 6 W	N/A	
Dimensions (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	

Note:

1. For the RS-485 interface, connect only one of the following readers to the GV-AS1620 controller: GV-RS-485 readers, OSDP compliant readers, or GV-QR1352 / DES1352 readers.
2. For the RS-485 interface, connect only one of the following readers to the GV-AS21 / 41 / 81 series controllers: GV-RS-485 readers or GV-QR1352 / DES1352 readers.
3. Only GV-AS4110/4111 Cloud support OSDP via RS-485.
4. GV-AS4110/4111 Cloud only support 16 output devices.
5. All specifications are subject to change without notice.

GV-IA1330, GV-IS1320

Models		GV-IA1330 for GV-Cloud Access Control	GV-IS1320 for GV-ASManager
			
Hardware			
Communication		TCP/IP	TCP/IP
Built-in Reader		O (Reads UID only)	O (Reads UID only)
Keypad		X	X
Micro SD Card		O	O
Battery Types		Built-in Battery	Built-in Battery
Backup Battery Support		N/A	N/A
Function			
Doors Supported	**One-way**	1	1
	Two-way	1	1
Readers Supported	**Wiegand**	N/A	N/A
	RS-485	2 (RS-485 / OSDP [(1)])	2 (RS-485 / OSDP [(1)])
	TCP/IP	N/A	N/A
I/O Supported	**Standard**	4 in / 2 out	4 in / 2 out
	Optional	N/A	N/A

Models	GV-IA1330 for GV-Cloud Access Control	GV-IS1320 for GV-ASManager
Bell Button Support	O	O
Number of User Cards	100,000 cards	100,000 cards
Event Buffer	65,535	65,535
TCP/IP Based Data Input	O	O
Wiegand Card Format	26 bits	26 bits
Camera		
Camera Resolution	2 MP	2 MP
IR LED Quantity	2 IR LEDs	2 IR LEDs
Audio Support	Two-way Audio	Two-way Audio
General		
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Humidity	10 ~ 90% (no condensation)	10 ~ 90% (no condensation)
Power	12V DC ±25%, 1A PoE (IEEE 802.3af)	12V DC ±25%, 1A PoE (IEEE 802.3af)
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
Dimensions (L x W x H)	79 x 171 x 34 mm 3.1 x 6.7 x 1.3 in	79 x 171 x 34 mm 3.1 x 6.7 x 1.3 in
Weight	0.267 kg / 0.59 lb	0.267 kg / 0.59 lb
Ingress Protection	IP65	IP65
Certification	CE, FCC, LVD, RoHS, UL	CE, FCC, LVD, RoHS, UL

Note:

1. For the RS-485 interface, connect only one of the following readers to the GV-IA1330/IS1320 controller: GV-RS-485 readers or OSDP readers.
2. All specifications are subject to change without notice.