



Comparison Chart for GV-IO Boxes

Model		GV-IO Box 4 Ports	GV-IO Box 4E	
				
Hardware				
OS Support	32 bit	Windows 7 / 8 / 8.1 / 10 / Server 2008		
	64 bit	Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012 R2		
Compatible Software		GV-DVR / NVR / VMS, GV-Center V2	GV-DVR / NVR / VMS, GV-ASManager, GV-Control Center, GV-Center V2	
Input	Input	4 inputs		
	Input Signal	Dry Contact		
		Wet Contact, AC/DC 9-30V	N/A	
Output	Output	4 outputs		
	Relay Status	NO	NO / NC	
	Relay Capacitance	USB Connection	DC 30V, 3A	N/A
		RS-485 Connection	DC 30V, 3A; AC 110V-250V, 3A	
Ethernet		N/A	RJ-45, 10 / 100 Mbps	
Power		DC 12V, 1A	DC 12V, 3A / PoE+ (IEEE 802.3at, provides up to 25.5W)	
Address		0-9, A-F	0-15	
Terminal Resistance		120 ohm		
Operating Temperature		0 ~ 50 °C / 32 ~ 122 °F	0° C ~65° C / 32°F ~ 149 °F	
Operating Humidity		5% ~ 95% (Non-Condensing)		
Dimensions		111.4 x 27.5 x 101 mm / 4.39 x 1.08 x 3.98 in		
Wiegand Interface		N/A	2 Wiegand interfaces, 26-64 bit format DC 12V power supply, 200 mA	

Note:

1. The Wiegand interface on GV-IO Box 4E does not have any function in Firmware V1.01 or later.
2. GV-IO Box 4E can only be connected using CAT-5e cables, TIA / EIA-568-B, with the maximum DC resistance of 9.38 ohms / 100 m.
3. GV-ASManager and GV-Control Center only accept network connection from GV-IO Box.
4. Network connections are only supported by GV-IO Box 4E.
5. All specifications are subject to change without notice.



Model			GV-IO Box 8 Ports / GV-IO Box 8E	GV-IO Box 16 Ports / GV-IO Box 16E	
					
Hardware					
OS Support	32 bit	Windows 7 / 8 / 8.1 / 10 / Server 2008			
	64 bit	Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012 R2			
Compatible Software			GV-DVR / NVR / VMS, GV-ASManager, GV-Control Center, GV-Center V2		
Input	Input	8 inputs	16 inputs		
	Input Signal	Dry Contact Wet Contact, AC/DC 9-30V			
Output	Output	8 outputs	16 outputs		
	Relay Status	NO			
	Relay Capacitance	USB Connection	DC 30V, 3A		
		RS-485 Connection	DC 30V, 3A AC 110V-250V, 3A		
Ethernet			RJ-45, 10/100 Mbps (for GV-IO Box 8E and GV-IO Box 16E)		
Power			DC 12V, 1A		
Address			0-9, A-F		
Terminal Resistance			120 ohm		
Operating Temperature			0 ~ 50 °C / 32 ~ 122 °F		
Operating Humidity			5% ~ 95% (Non-Condensing)		
Dimensions			135 x 28 x 145 mm / 5.31x 1.10 x 5.70 in	180 x 27 x 183 mm / 7.09 x 1.06 x 7.2 in	

Note:

1. Network connections are only supported by GV-IO Box 8E and GV-IO Box 16E.
2. GV-ASManager and GV-Control Center only accept network connection from GV-IO Box.
3. All specifications are subject to change without notice.