

The graphic features a dark red circular target with a white crosshair. The background consists of several concentric, semi-transparent circles in shades of grey and white, creating a sense of depth and motion. The overall aesthetic is clean and technical.

GS-AC0X Series

Network Access Controller

The GS-AC0X is a series of powerful and stable access controllers, using the logical architecture design. The uplink and downlink adopt TCP/IP and wiegand communicate respectively. Its signal processed with special encryption and can be run offline. Anti-tampering function is also supported.

MODEL

GS-AC01 Single-door Access Controller
GS-AC02 Double-door Access Controller
GS-AC04 Four-door Access Controller

MAIN FEATURES

- 32-bit high-speed processor
- TCP/IP network communication, with self-adaptive network interface. The communication data is encrypted to ensure information security
- Supports Wiegand interface for accessing card reader. Wiegand interface supports W26/ W34 and is seamlessly compatible with third-party card reader
- Massive storage with 10, 000 cards information and 50,000 card swiping records
- Supports first card function, super card and super password function, online upgrade function and online remote control of the doors
- Supports various card types such as normal/ disabled/blacklist/patrol/visitor/duress/ super card, etc.
- Supports tamper-proof alarm for card reader, unsecured door alarm, forced entry door alarm, alarm for door opening timeout, duress alarm, and alarm for invalid card swiping attempts alarm, case in alarm and restore, insufficient storage alarm for offline event, network break alarm
- The recognition and storage of card number with maximum 20 digits
- Supports online and offline operating mode;
- Supports time synchronization via NTP, manual or automatic method
- Watchdog for device running status detection
- Data can be permanently saved when the access controller is powered off
- UL Listed
- High/low temperature resistant design(-20°C to + 65°C)

SPECIFICATIONS

Model	GS-AC01	GS-AC02	GS-AC04
Working Voltage	DC 12V		
Power Dissipation (with Load)	≤50W	≤100W	≤100W
Power consumption	≤3.5W (without Load)		
Processor	32-bit		
RAM	8M		
Uplink Communication Interface	TCP/IP		
Downlink Communication Interface	Wiegand (W26/W34)		
Storage	Storage for 10, 000 Valid Cards Information and 50, 000 Card Swiping		
LED Indicator	Power Supply Status, Communication Status, Abnormal Status		
Built-in Clock	Yes		
Accessible Card Reader	2 Card Readers (Wiegand Interface)	4 Card Readers (Wiegand Interface)	4 Card Readers (Wiegand Interface)
Input Interface	Door Sensor × 1, Exit Button × 1, Case Input × 1	Door Sensor × 2, Exit Button × 2, Case Input × 2	Door Sensor × 4, Exit Button × 4, Case Input × 4
Output Interface	Lock Relay × 1, Alarm Relay × 1	Lock Relay × 2, Alarm Relay × 2	Lock Relay × 4, Alarm Relay × 4

Model	GS-AC01	GS-AC02	GS-AC04
Working	-20°C to +65°C (-4°F to +149°F)		
Working Humidity	10% to 90% (Non-Condensing)		
Dimensions	285mm × 237mm × 69mm (11.22" × 9.33" × 2.72")		
Certifications	UL Listed		