

DS-K2800 Series

Network Access Controller

DS-K2800 is a series of powerful and stable access controller, 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

DS-K2801 Single-door Access Controller

DS-K2802 Double-door Access Controller

DS-K2804 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/blocklist/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
- Client supports attendance function
- High/low temperature resistant design(-20°C to + 65°C)

SPECIFICATION

Model	DS-K2801	DS-K2802	DS-K2804
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 Records		
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
Working Temperature	-20°C to +65°C (-4°F to +149°F)		
Working Humidity	10% to 90% (Non-Condensing)		
Dimensions (L×W×H)	285mm × 237mm × 69mm (11.22" × 9.33" × 2.72")		