

DS-K2600 Series

Network Access Controller

DS-K2600 series access controller is designed with latest structure with TCP/IP and RS485 communication interface. The communication data is encrypted to improve the security of system. The controller also supports offline operation and is designed with tamper-proof switch.



MODELS

DS-K2601 Single-door Access Controller
DS-K2602 Double-door Access Controller
DS-K2604 Four-door Access Controller

MAIN FEATURES

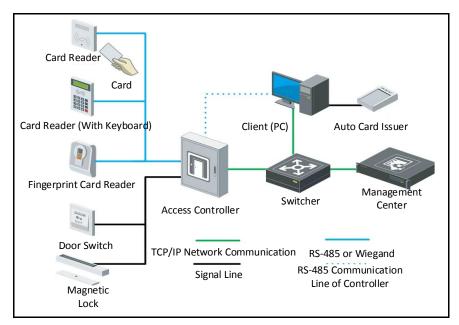
- 32-bit high-speed processor
- TCP/IP network communication, with self-adaptive network interface. The communication data is encrypted to ensure information security
- The recognition and storage of card number with maximum 20 digits
- Massive storage with 100,000 cards information and 300,000 access control events
- Supports multi-door interlocking function (DS-K2602, and DS-K2604), anti-passback function, multi-card function, first card function, super card and super password function
- Online upgrade function and online remote control of the doors

- Supports alarm event upload (including tamper-proof alarm, unsecured door alarm, forced entry alarm, delayed door alarm, duress card and code alarm, blocklist alarm and alarm for invalid card swiping attempts alarm)
- Short circuit attempts alarm and open circuit attempts alarm
- Supports zone alarm input
- Supports RS485 interface and Wiegand interface for accessing card reader. Wiegand interface supports W26/W34 and is seamlessly compatible with third-party card reader with Wiegand interface
- Supports various card types such as normal/ disabled/ blocklist/ patrol/ guest/ duress/ super card, etc.

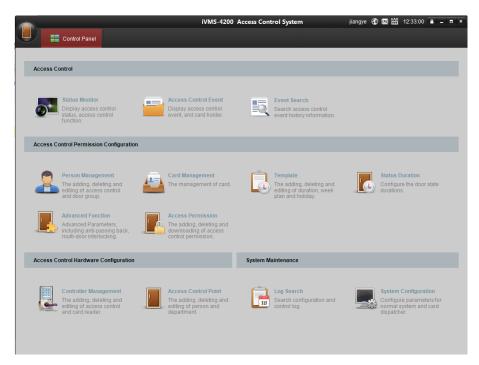
- Various indicators to show different device status
- Supports time synchronization via NTP,
 manual or automatic method
- Supports standby battery

- Watchdog for device running status detection
- Data can be permanently saved when the access controller is powered off

TYPICAL APPLICATOIN



Topological Graph



Client Software Interface

SPECIFICATION

| Model | DS-K2601 | DS-K2602 | DS-K2604 |
|--------------------------------------|---|---|---|
| Working Voltage | DC 12V/1A | DC 12V/1A | DC 12V/1A |
| Power Dissipation (with Load) | ≤50W | ≤100W | ≤100W |
| Power Dissipation (Without Load) | ≤4W | ≤4W | ≤4W |
| Processor | 32-bit | 32-bit | 32-bit |
| Capacity | 16M | 16M | 16M |
| Uplink Communication Interface | TCP/IP, RS-485 | TCP/IP, RS-485 | TCP/IP, RS-485 |
| Downlink Communication Interface | RS-485, Wiegand (W26/W34) | RS-485, Wiegand (W26/W34) | RS-485, Wiegand (W26/W34) |
| Storage | Cards Information: 100,000 Access Control Events : 300,000 | Cards Information: 100,000 Access Control Events : 300,000 | Cards Information: 100,000 Access Control Events: 300,000 |
| LED Indicator | Power Supply Status, Communication Status, Working Status | Power Supply Status, Communication Status, Working Status | Power Supply Status, Communication Status, Working Status |
| Built-in Clock | Yes | Yes | Yes |
| Accessible Card Reader | 2 Card Readers (RS485 Interface), 2 Card Readers (Wiegand Interface) | 4 Card Readers (RS485 Interface); 4 Card Readers (Wiegand Interface) | 8 Card Readers (RS485 Interface), 4 Card Readers (Wiegand Interface) |
| Input Interface | Alarm Input × 4, Door Sensor × 1, Exit Button × 1, Case Input×2, Tamper Alarm × 1 | Alarm Input × 4, Door Sensor × 2, Exit Button × 2, Case Input × 4, Tamper Alarm × 1 | Alarm Input × 4, Door Sensor × 4, Exit Button × 4, Case Input×8, Tamper Alarm × 1 |
| Output Interface | Lock Relay × 1, Alarm Relay × 2 | Door Relay × 2, Alarm Relay × 4 | Lock Relay × 4, Alarm Relay × 4 |
| Working Temperature | -20°C to +65°C (-4°F to +149°F) | -20°C to +65°C (-4°F to +149°F) | -20°C to +65°C (-4°F to +149°F) |

| Model | DS-K2601 | DS-K2602 | DS-K2604 |
|---------------|------------------------|------------------------|------------------------|
| Working | 10% to 90% | 10% to 90% | 10% to 90% |
| Humidity | (Non-Condensing) | (Non-Condensing) | (Non-Condensing) |
| Dimensions | 370mm x 345mm x 90 mm | 370mm x 345mm x 90mm | 370mm × 345mm × 90mm |
| (L×W×H) | (14.6" x 13.6" x 3.5") | (14.6" x 13.6" x 3.5") | (14.6" × 13.6" × 3.5") |
| Certification | CE, FCC | CE, FCC | CE, FCC |