

TR-ACS-K2601-G

Single-Door Access Controller



The TR-ACS-K2601-G is an advanced Single-Door Access Controller that contains both network and RS-485 interfaces, supporting TCP/IP and RS-485 communication protocols. The communication data is encrypted to enhance system security. It supports offline operation and is equipped with a tamper-proof switch for added protection. The device can store up to 100,000 card users and 300,000 access records. Advanced features such as anti-pass back, multi-authentication, and real-time event linkage are also supported.

Features

Hardware & Performance

- 32-bit high-speed processor for fast and stable operation
- Standard hermaphrodite connector for three-phase electric adapter
- Power supply indicator on the surface
- Backup battery and watchdog design for system reliability
- Data is permanently saved after power-off

Security

- Encrypted TCP/IP communication; supports ISAPI protocol
- Isolated internal current and protective cover over control board
- Tamper-proof design and tampering alarm
- IP address conflict detection
- Short circuit and open circuit attempt alarms
- Comprehensive alarm system: alarm for the card reader, alarm for door not secured, force opening door alarm, alarm for door opening timeout, duress card and code alarm, blocklist alarm and alarm for illegal card swiping attempts reaching the limit

Management

- Supports up to 100,000 cards (97,000 normal + 3,000 visitors)
- Stores up to 300,000 cards presenting records
- Supports card numbers up to 20 digits
- Multiple user types: normal, visitor, blocklisted
- Various card types: normal/patrol/duress/super card, etc
- 500 password groups under card/password authentication mode

Advanced Access Control Features

- Multi-door interlock
- Anti-passback (internal and cross-controller)
- First card opening function
- Super card and super password support
- M1 card encryption
- Remote door opening and multi-authentication method
- Online firmware upgrade support
- I/O linkage and event linkage

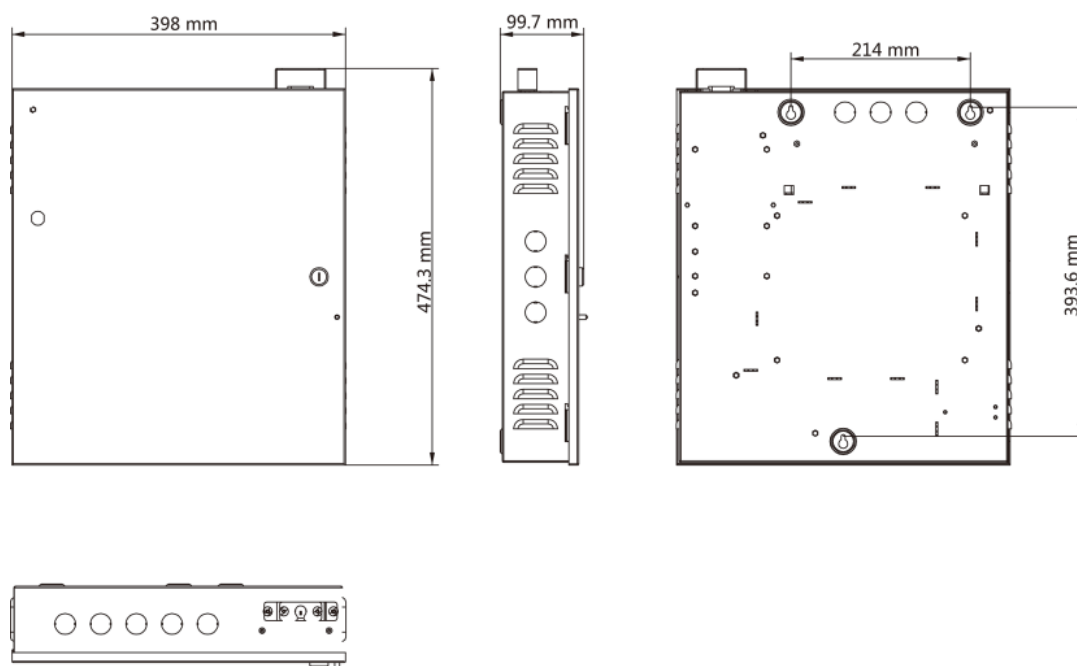
Connectivity & Integration

- Supports TCP/IP, RS-485, Wiegand (W26/W34), and OSDP protocols
- Compatible with third-party Wiegand card readers
- Manual and automatic time synchronization
- Time zone management for access policies
- Offline record storage with low space alert

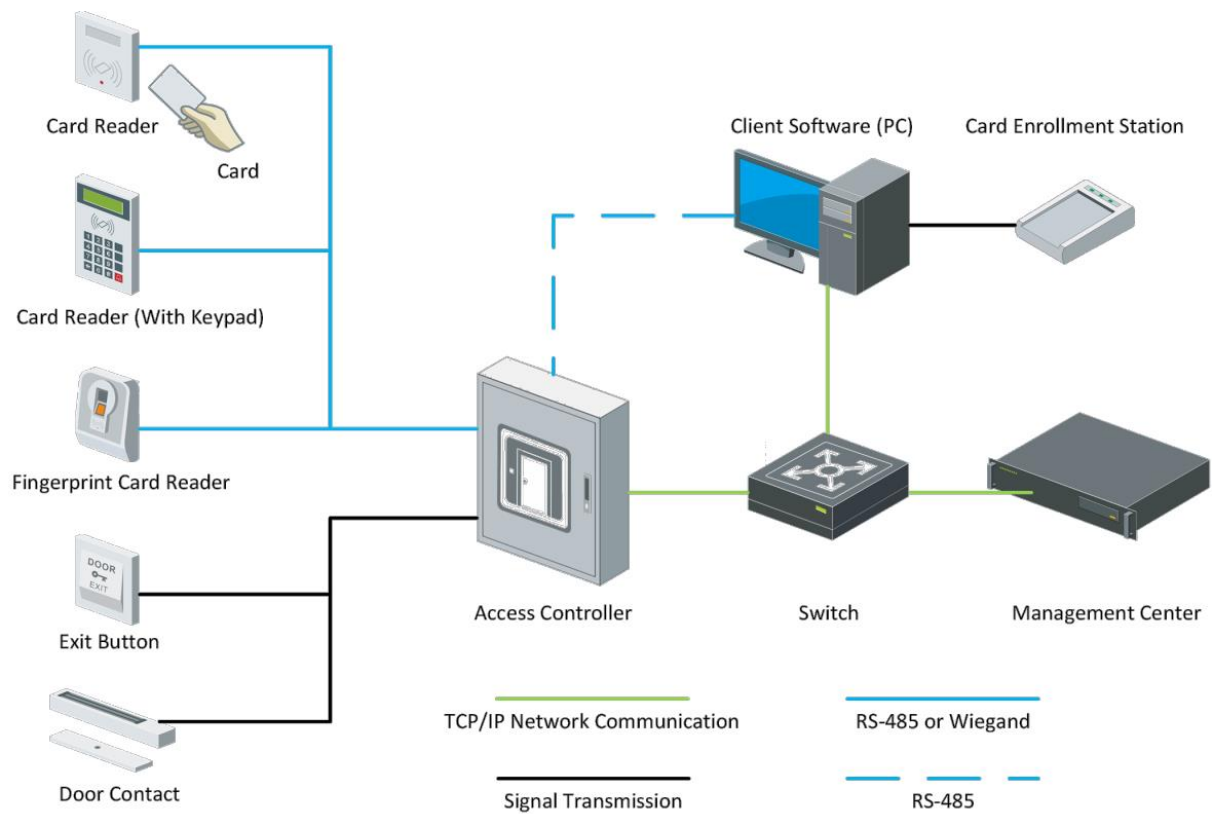
Specifications

Power Supply	100 ~ 240 VAC
Power Consumption	≤ 50 W
Standby Power Consumption	≤ 4 W
Processor	32-bit
Storage	32 MB
Communication	TCP/IP, RS-485, Wiegand (W26/W34)
Input interface	Alarm input × 4, door contact × 1, exit button × 1, case input × 2, tamper alarm × 1
Output interface	Lock relay × 1, alarm relay × 2
LED Indicator	Power supply status, communication status, and working status
Built-in Clock	Support
Accessible Card Reader	2 card readers (RS-485 interface), and 2 card readers (Wiegand interface)
User & Card Management	100,000 cards (97,000 normal + 3,000 visitors) 300,000 cards presenting records
Dimension (L × W × H)	398 mm × 474 mm × 100 mm (15.7" × 18.7" × 3.9")
Operating Temperature	-20 °C to +65 °C (-4 °F to +149 °F)
Humidity	10% to 90% (Non-condensing)
Approval	CE, FCC, CB, UL294

Dimension



Typical Application



Note: Specifications are subject to change without notice.

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