

SPECIFICATION



CA413 WN Veroc Series Wiegand Reader



VEROC Series Wiegand Reader

Description

The VEROc Wiegand Reader is a modern, slim, and weatherproof card access reader designed to enhance both the security and aesthetic appeal of your premises. Supporting EM, Mifare or DESFire proximity cards, the VEROc Series offers easy installation and compatibility with most commercial access controllers. Supporting Wiegand 24/34 connectivity for both small and large office environments.

With robust tamper-proof features, a user-friendly design, and seamless integration into the MagEtegra security suite, the VEROc Series ensures secure, convenient, and scalable access control for any business setting.

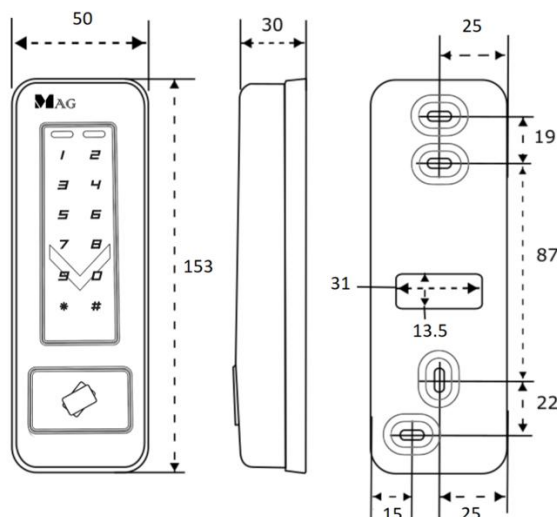
Features

1. **Modern Slim Design:** V Red Black finish with a contemporary look, suitable for narrow door frames and stylish entrances.
2. **Multi Frequency Available:** Supports EM, Mifare or DESFire proximity cards.
3. **Weatherproof:** Suitable for outdoor installation with rubber seal protection.
4. **Tamper-Proof Function:** Alerts via software and external buzzer if tampered with or if the door is forced open.
5. **Integration Ready:** Works seamlessly with MagEtegra Software suite for access, visitor, and time attendance management.

Technical Parameters

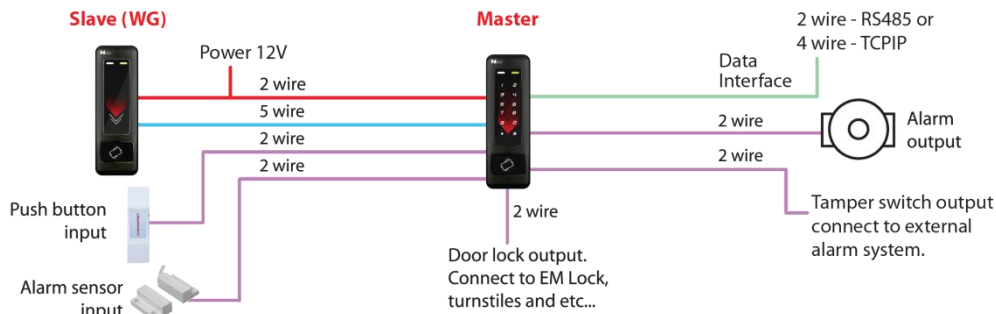
Model	CA413-WNE	CA413-WNM
Frequency	125KHz	13.56MHz
Standard	EM Standard	Mifare, DESFire
Reading Range (Depends on Tags)	3-7cm	1-3cm
Compatible Credentials	EM Proximity Cards / Keyfobs	Mifare Ultralight, Classic, DESFire EV1, NFC (Card Simulation)
Data Capability	Read Only	Read / Write
Power Supply	12 - 24DC	
Power Consumption	<5W	
Communication Interface	Wiegand 24~34	
Temperature	-20° C to +65°C	
Tamper Switch	Limit Switch (Form C)	
Ingress Protection	IP56	IP65
Controller Connectivity	1 Wiegand port	
Transistor Output	Arming LED (or Security trigger signal) / Alarm / Duress	
Indicator	2 LED Indicators & 1 Beeper	
Housing Material	Plastic Case Housing/Frame	
Time Zone	11/63 (Connect to Multi-Door Networking Controller)	
Color Finishing	Black Matte	
Dimension (mm)	153 (L) x 50 (W) x 30 (H)	
Weight (g)	150	

Dimension



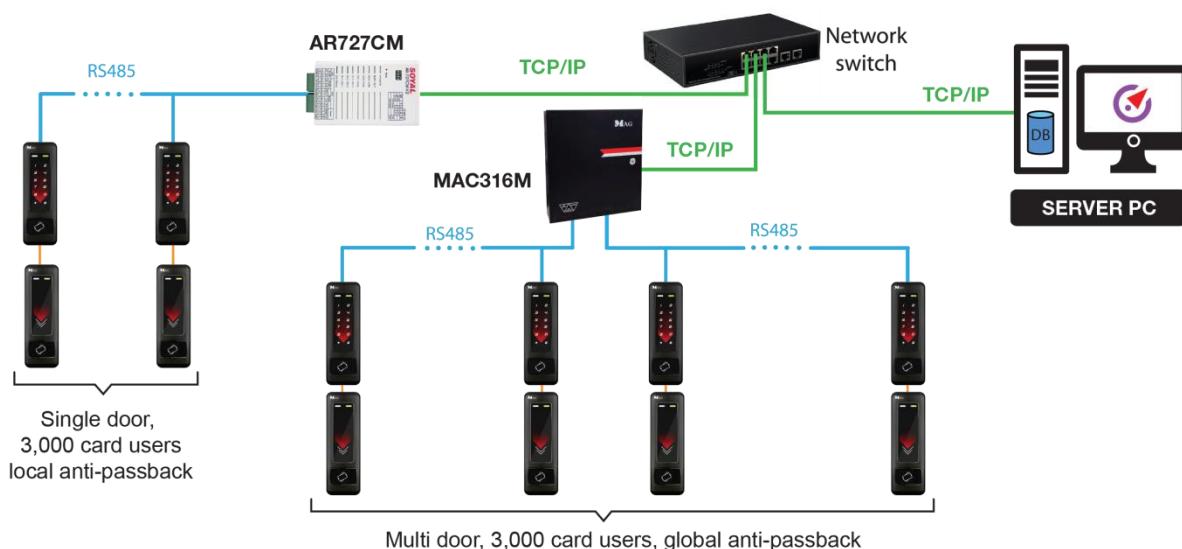
Connection Diagram

CA413-WN (Wg) to CA413-TK/RK (Controller) Connection



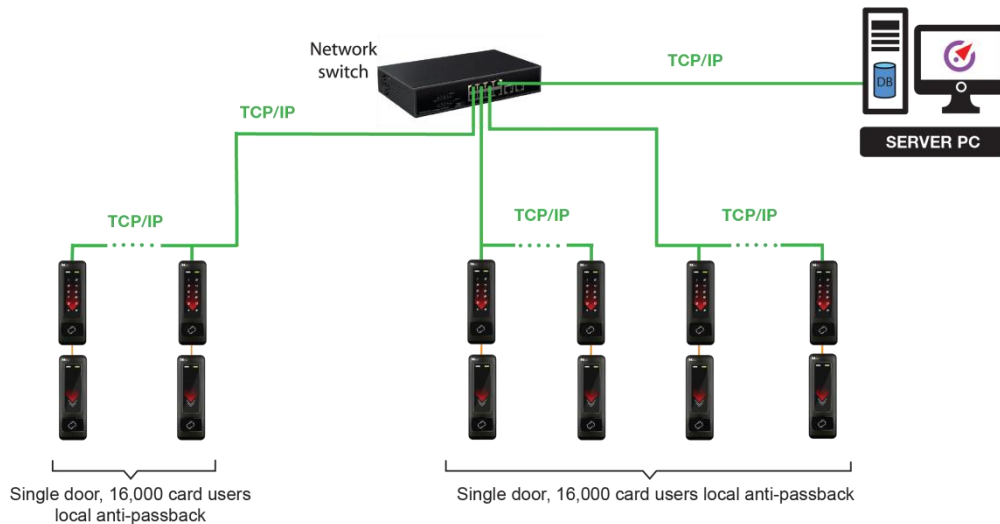
The Standalone connection diagram shows how to connect a VERO system in a simple setup using a Master and Slave (WG) reader. The Master device handles main functions like controlling the door lock, alarm output, tamper switch, and communication with the server (via RS485 or TCP/IP). The Slave reader works as a secondary unit (usually for exit), connected to the Master via Wiegand and power. Additional inputs like a push button and alarm sensor connect to the Master, allowing it to unlock the door or trigger alarms. This setup is ideal for controlling one door without needing a full network system.

CA413-RK (RS485) Network Connection Architecture



This diagram illustrates a typical RS485 to TCP/ IP network setup via AR727-CM network server for single door access and MAC316M access control system for multi door access. The architecture supports both local and global anti-pass back functionalities, essential for securing access and tracking user movements accurately across multiple doors.

CA413-TK (TCP/ IP) Network Connection Architecture



The TCP/IP network connection diagram shows an access control system using VEROc readers connected through a network switch or hub to a server PC. Each door setup uses two readers for entry and exit with local anti-pass back, supporting up to 16,000 card users per door. The readers communicate using TCP/IP, allowing fast and stable data transfer over standard network cables. The server PC manages all user data, device settings, and access logs through access control software, making the system easy to manage and expand.

***Product performance is based on testing in a controlled environment. Your results may vary due to several external and environmental factors.**

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