

SPECIFICATION



CA413 VEROC Series Controller Reader



VEROC Series Controller Reader

Description

The VERO Series Controller 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, as well as PIN entry via its built-in touch panel keypad, the VERO Series offers flexible installation with TCP/IP 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 VERO Series ensures secure, convenient, and scalable access control for any business setting.

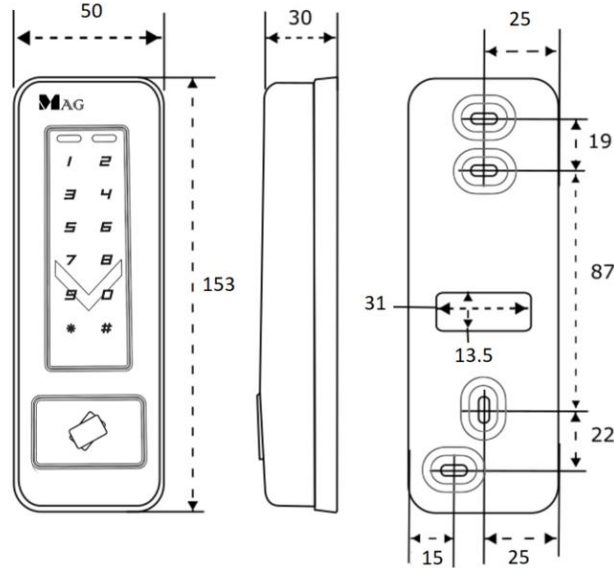
Features

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. **Built-in Touch Panel Keypad:** Convenience to do setting while supporting PIN access.
4. **Weatherproof:** Suitable for outdoor installation with rubber seal protection.
5. **Tamper-Proof Function:** Alerts via software and external buzzer if tampered with or if the door is forced open.
6. **Flexible Connectivity:** Easily loop multiple readers to PC via USB (using AR321CM Converter) or to LAN via TCP/IP (using AR727CM Converter).
7. **Expandable System:** Supports up to 16000 users and 32000 event memory per reader.
8. **Event Memory Backup:** Stores up to 32000 transactions locally; data syncs automatically after network recovery.
9. **Integration Ready:** Works seamlessly with MagEtegra Software suite for access, visitor, and time attendance management.

Technical Parameters

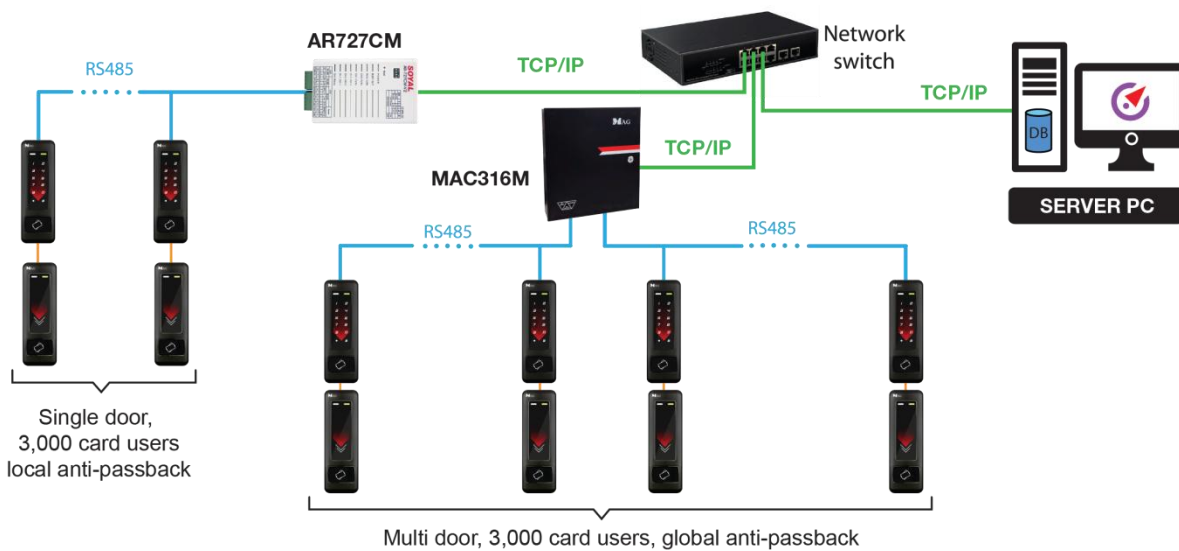
Model	CA413-TKE / -RKE / -RNE	CA413-TKM / -RKM / -RNM
Frequency	125KHz	13.56MHz
Standard	EM Standard	Mifare, DESFire
Reading Range (Depends on Tags)	3-7cm	1-3cm
Power Supply	12 - 24DC	
Power Consumption	<5W	
Communication Interface	T-TCP/IP , R-RS485	
Baud Rate	9600 bps (8N1)	
Temperature	-20° C to +65°C	
Digital Input	Egress(R.T.E.) / Door contact	
Relay Output	Lock Relay	
Lock Relay Time	ON/OFF, 0.1-600 Sec.	
Alarm Time	Toggle, 1-600 Sec.	
Tamper Switch	Limit Switch (Form C)	
User Capacity	CA413-RKE/ -RNE/ -RKM/ -RNM	CA413-TKE / -TKM
	3,000 Users (Card / Pin)	16,000 Users (Card / Pin)
Event Log	1,500	32,000
Ingress Protection	IP56	IP65
External Reader	1 Wiegand port	
Anti-Pass-Back	Yes	
Serial Port	Yes	
LCD Panel	No	
Transistor Output	Arming LED (or Security trigger signal) / Alarm / Duress	
Indicator	2 LED Indicators & 1 Beeper	
Keypad Material	Illuminated Touch Pad	
Housing Material	Plastic Case Housing/Frame	
Time Zone	11/63 (Connect to Multi-Door Networking Controller)	
Operation Mode	Standalone/ Networking	
Color Finishing	Black Matte	
Dimension (mm)	153 (L) x 50 (W) x 30 (H)	
Weight (g)	150	

Dimension



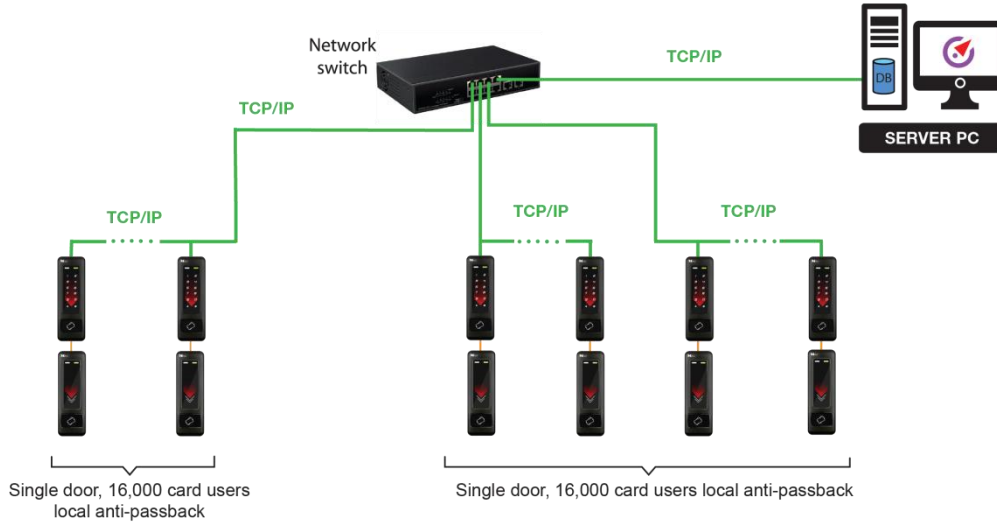
Connection Diagram

RS485 to TCP/ IP Network Connection



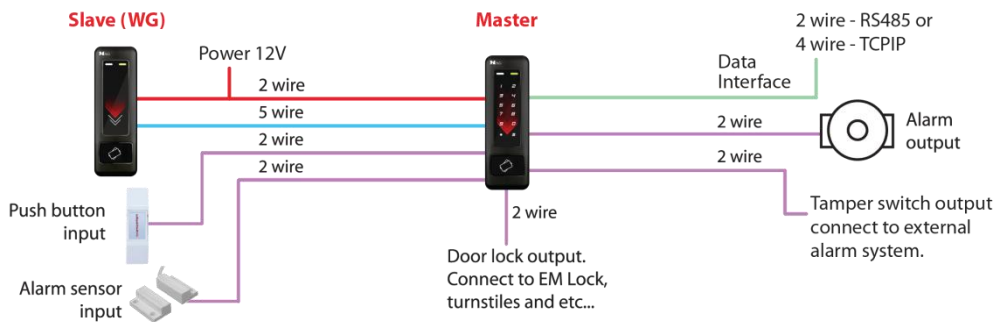
This diagram illustrates a typical RS485 to TCP/ IP network setup via AR727-CM network server for single door access and MAC316M access control system for multi door access. The architecture supports both local and global anti-pass back functionalities, essential for securing access and tracking user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

TCP/ IP Network Connection



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.

Standalone Connection



The Standalone connection diagram shows how to connect a VEROc 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.

***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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