



Rack Monitoring Controller

RT-RMC-G0V1



The Rack Monitoring Controller is a device that keeps server racks and data centers safe by checking important environmental and security conditions. It tracks temperature, humidity, water leaks, unauthorized access, and smoke to ensure the safety and optimal performance of equipment. With real-time monitoring and automatic alerts, the system helps reduce downtime and improve efficiency. It seamlessly integrates with existing infrastructure and provides remote access through a secure web client, allowing users to monitor and manage conditions from anywhere. This advanced solution enables proactive maintenance, enhances security, and ensures smooth operations in mission-critical environments.

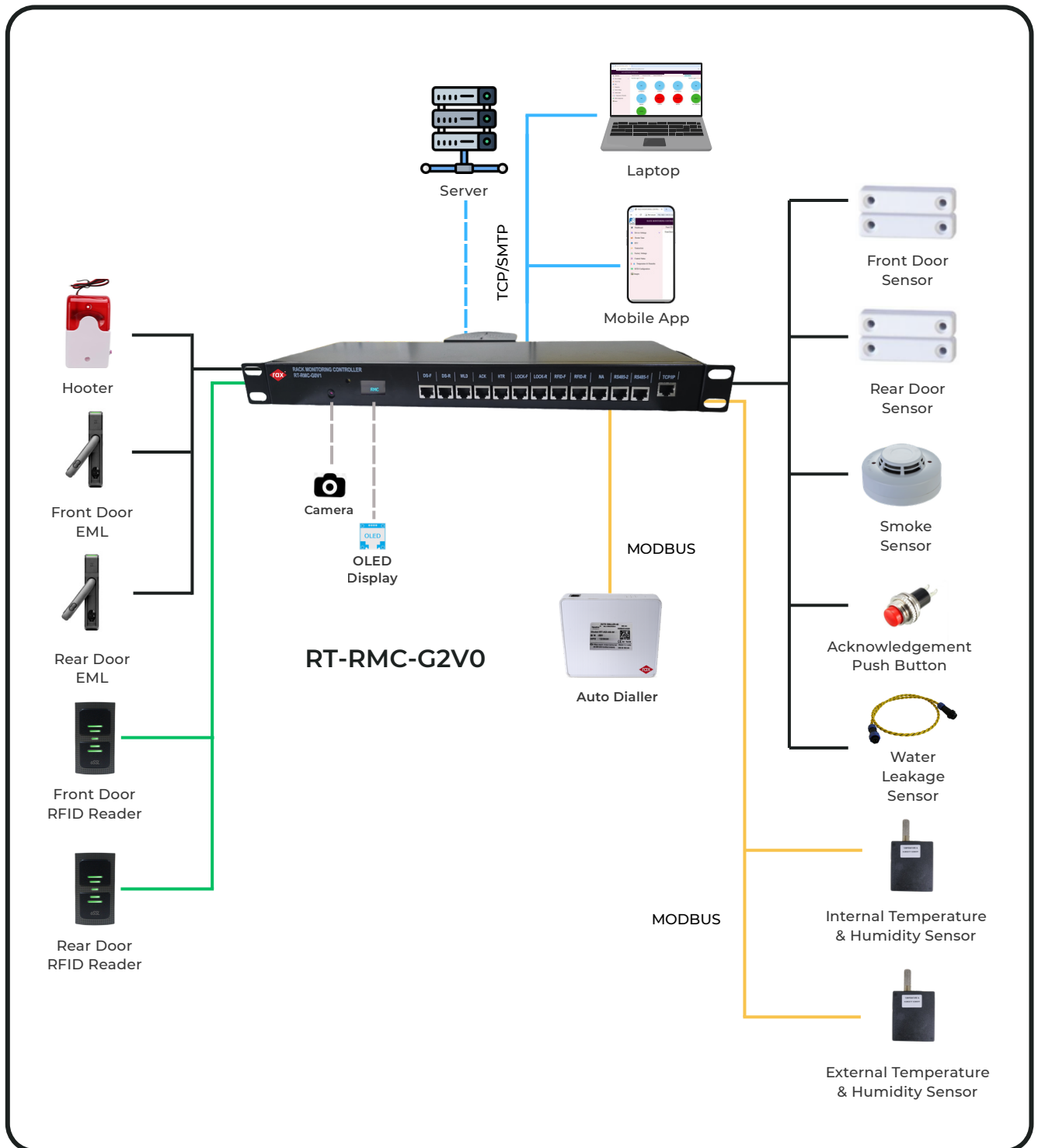
In modern data centers and IT infrastructure, security, environmental monitoring, and automation are critical to ensure seamless operations. The Rack Monitoring system is a solution designed to protect, control, and remotely monitor server racks and data centres. It has the following features

- **Security Protection:** Features include authorized access control, Camera Images for Monitoring, water leakage detection, and smoke detection
- **Environmental Monitoring:** Monitors temperature and humidity both inside and outside the rack.
- **Control Features:** Fans can be controlled based on temperature, schedules, or other parameters. A hooter is activated in case of alarm events.
- **Centralized Monitoring:** All alerts and data are sent to a central monitoring software for immediate action.

Applications

- Server Rack
- Data Centers
- R&D Centers

System Diagram



Product Specification

Digital Input	16 No's Digital Inputs
Fire Alarm Interface	1 No's
Output	9 No's for controls like magnetic lock, fan control, Hooter etc
Camera	2MP (640X480) resolution, 2.8/3.6mm lens, with IR night vision, serial JPEG Camera
Display	OLED display (128*64*0.96)
Access Control	2 No's Wiegand reader interface
Internal Communication	MODBUS
External Communication	Ethernet:100 Mbps-RJ45 Connector
Protocol	Standard SIA Protocol, TCP/IP
Configuration	Web-based
Input Supply	100 to 240V AC
Working voltage	12V DC

Product Selection

MODEL	COMMUNICATION	DESCRIPTION	DIMENSIONS (W*H*D)mm
RT-RMC-G2V0	Ethernet	Rack Monitoring Controller	W430xH45XL160

Product Dimensions



RT-RMC-G2V0

Calibration

This product is factory calibrated, No Field calibration is necessary for the life of this product.

Certification

CE certified, RoHS compliant, ISO 9001:2015

Warranty

1 Year warranty

Revision History

REV NO.	DATE	NO. OF PAGES	PREPARED BY	REVIEWED BY	APPROVED BY
1	16-07-25	04	RK	CT	AX

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