

ALARM MANAGEMENT SYSTEM CONTROLLER



DISTINCTIVE ADVANTAGES

Data Acquisition and Processing

- The system intelligently collects environmental and status data via multiple sensors and processes it in real time with a built-in industrial-grade ARM processor.

Enable Communication and Networking Functions

- The system supports 4G/5G networking and multiple communication interfaces, enabling remote data transmission, control, and flexible system integration.

Control and Output

- The system supports relay-based control of external devices and provides audio input and output for voice recognition and two-way communication.

Enable Interaction Between the Platform and the Operator Terminal

- The system provides dedicated network connectivity for data exchange and remote management, with web-based operation for easy configuration and monitoring.

ALARM MANAGEMENT SYSTEM CONTROLLER

The edge controller integrates data acquisition, processing, communication, control, and power management. It supports various environmental sensors with local processing, offers 4G/5G, Ethernet, RS232, and multiple RS485 interfaces, and accepts DC 10-30V with backup power. It controls external devices via relays, supports audio I/O, provides USB/TF storage and expansion ports, and connects to platform software with web-based configuration and monitoring.



Specifications

Processor	Clock Frequency: 1.2 GHz
RAM/ROM	512M, 4GB
RS232 Interface	≥ 2 ports
RS485 Interface	≥ 3 ports
Audio Input/Output Interface	1 Port
100M/1G Ethernet Port	1 Port
4G Communication	1 Port
Operating Temperature	-20~+70°C
Supports Remote Firmware Upgrade for Mainboard	Yes

* Please email us for more information