

# 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