Datasheet

CENTRACON-8IM | Control Interface Module



Key features

- 8x RS-232/RS-485 control ports, up to 115200 bps, supporting bidirectional serial data.
- 8x digital I/O and 8x relay outputs for curtains, projector lifts, and lighting control.
- 8x IR emitter ports for remote control of AV devices.
- 1x RJ-45 (UDP client) for LAN-based remote control.
- 1x USB 2.0 for PC setup and firmware/network upgrades.
- 1x IR learning port to capture and store device IR codes.
- 1x RS-232 service/configuration port, up to 115200 bps.
- Supports interface expansion and device cascading for scalable deployments.

Product Overview

The CENTRACON-8IM is a powerful control interface module designed by Macsys to act as the central hub for managing complex AV and automation systems. It enables seamless integration and centralized control of multiple devices, including video walls, conference room equipment, and digital signage solutions. With its intuitive interface and high-performance design, the CENTRACON-8IM simplifies system operation, enhances scalability, and ensures smooth coordination across all connected components. Ideal for corporate, educational, and specialized AV environments, this module provides a reliable and flexible solution for efficient system management.

Technical Specification

Feature	Details
Control Platform	Open programmable control platform
User Interface	User-friendly interface (Tablet, Mobile, PC)
Interactive Control	Interactive control structure
Digital Conference	Seamlessly integrates with digital conference systems
RS-232/RS-485	8-RS232, 8-RS485 routes each; configurable baud rate up to 115200 bps for sending and receiving
Relay Ports	8-way, Phoenix type, rated 30V 10A weak relay ports for device control
Digital I/O	8-way; supports rising, falling, high level trigger modes
IR Sending Ports	8-way IR transmit ports
IR Receiving Port	1-way IR learning receiver
Interface Control Ports	RJ-45 LAN (1), USB 2.0 (1×, upgrade), RS-232 (1), RS-485 (1)
Expansion	Supports interface expansion and cascade control
Power Supply	DC 12V
Operating Temperature	-20°C to +70°C
Humidity Range	10% to 90%
Command Types	IR, RS232, RS485, Relay, IO, ASCII, HEX
Supported Protocols	IP, UDP, TCP, TCP Client/Server
Certifications	CE, RoHS compliance

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