

Remote I/O Module for Industrial Automation

This remote I/O module facilitates flexible and distributed data acquisition and control. It is designed for various industrial automation applications, featuring multiple communication interfaces and I/O channels.



ADDITIONAL IMAGES



Product Overview

Industrial Remote I/O Module

The RIO600 is a versatile remote I/O module designed to enhance digital and analog connectivity in substation automation. By integrating seamlessly with existing protection relays and control systems via IEC 61850 and Modbus TCP, it drastically reduces complex substation wiring. The unit provides robust fault management through advanced directional earth fault indication and features a web-browser-based HMI for secure, real-time local and remote operations.

Communication & Protocols

Communication Protocols	IEC 61850, Modbus TCP
Communication Performance	Type 1A, class P1

Operational Features

Core Functionalities

- Web-browser-based human machine interface (HMI)
- Fault Passage Indication (FPI) for grid automation
- High-sensitivity directional earth fault indication
- Real-time communication between protection and control relays

Environmental & Reliability

Electromagnetic Compatibility (EMC)

Metric	Specification
Electrostatic Discharge	8 kV (Air discharge)
Radiated RF Field	10 V/m
Magnetic Field (50Hz)	100 A/m (Continuous)

Electrical Standards

Surge Immunity

4 kVp

Auxiliary Power Supply (L-Gnd)

2 kVp

Auxiliary Power Supply (L-L)