

# Remote I/O Module

This remote I/O module enables flexible industrial control. It provides input and output capabilities for various industrial automation applications.

## Product Overview

### Remote I/O Module Capability

This Remote I/O module is engineered to expand digital and analog input/output capacity for protection relays and station automation systems. It facilitates seamless IEC 61850 connectivity, helping to reduce complex wiring inside substations while improving operational reliability. Featuring a web-browser-based HMI and Fault Passage Indication (FPI) functionality, it provides a flexible and efficient solution for modern grid automation.

## Communication & Connectivity

### IEC 61850 Performance

Type 1A • Class P1

### Supported Protocols

IEC 61850, Modbus TCP

## Grid Automation Features

### Operational Features

- Fault Passage Indication (FPI) functionality
- Web-browser-based HMI
- Directional earth fault indication
- Simplified substation wiring
- Fast real-time communication

## Electrical Immunity

### Electrostatic Discharge (Air)

**8 kV**

Air Discharge

### Electromagnetic Immunity Data

Test Type	Performance Requirement
Power frequency magnetic field (3s)	300 A/m
Power frequency magnetic field (continuous)	100 A/m
Communication port surge	2 kV (peak)
Supply port surge (L-Gnd)	4 kV (peak)