

IB-SYSTEM LITE

RS485 AND IP CABLING SYSTEM



UP TO
40 DEVICES

HIGH SPEED
RESPONSE

System for collecting and centralizing alarms from all CIAS digital devices into a single point.

The IB-SYSTEM-LITE is a universal cabling system capable of collecting all field signals and relaying them to any control panel that accepts on/off input signals.

The complete system allows for the connection of up to 40 individual devices or 20 barriers via RS485 serial line, optical fiber, or Ethernet. Additionally, its DIN rail-mountable structure makes the entire system extremely compact and simplifies maintenance and/or upgrades.



COST-EFFECTIVE

Optimizes costs compared to traditional cabling systems.



SIMPLICITY AND FLEXIBILITY

Streamlines cabling with CIAS products and collects alarm states, including third-party devices.

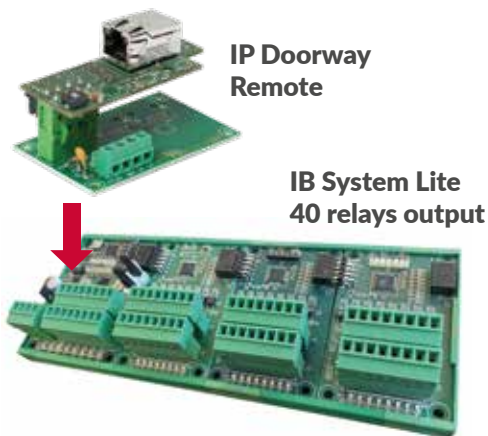


SPEED

Ideal for systems of any complexity, from small installations to large-scale projects.

OVER IP CONVERSION WITH IP-DOORWAY

This system simplifies alarm signal collection and centralization, making the installer's job easier. By using the IP-DOORWAY REMOTE or CIAS-IP-CONV device, IB-SYSTEM LITE can connect to a LAN network, including PoE, and retrieve digital alarms generated by CIAS devices.



COMPOSITION

MASTER BOARD



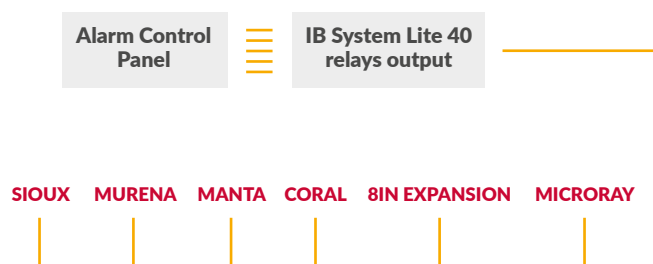
- Collects signals from field devices and manages alarm, pre-alarm, tamper, and fault states.
- Supports additional criteria such as NOANSWER, device replacement, and masking.
- Synchronizes clocks of compatible devices.
- Allows manual configuration via DIP switches and supports auto-configuration for mixed systems with devices and barriers.

EXPANSION BOARDS

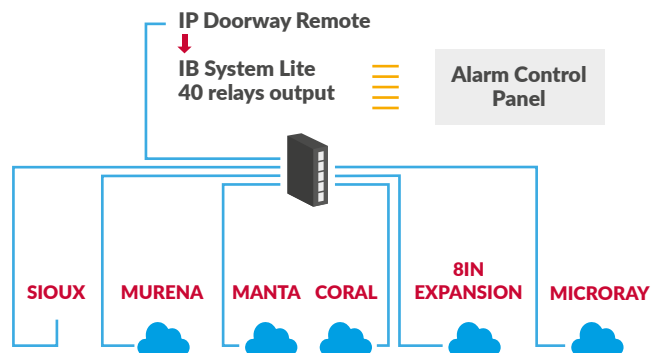


- Relay output for the status of sensors collected by the Master.
- Up to 16 boards can be linked together.

ALARM CENTRALIZATION VIA RS485



ALARM CENTRALIZATION OVER IP



TECHNICAL SPECIFICATIONS

BOARD DIMENSIONS	72 x 54 x 22 mm (H x W x D)
POWER SUPPLY VOLTAGE	Nominal 13.8 Vdc
POWER CONSUMPTION	Master: 20 mA Slave: 15mA
RELAY CONTACT RATING	Max 100mA
OPERATING TEMPERATURE	-40°C to +70°C
ALARM COMPOSITION	Alarm, Tamper, Fault/No-Answer
COMMUNICATION LINE	RS-485 (on-board), IP & PoE (optional with IP-DOORWAY)

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