

AX-MR52

Serial I/O controller

Authentic Mercury MR serial input/output (SIO) devices represent the secondary level in Mercury's distributed architecture. The devices offer flexibility for our OEM partners, ensuring they can choose the controller that best fits their needs.

Product at a glance

Features

- Multifacility code and reader technology support
- AES 128 bit data encryption
- Configurable auxiliary point control and monitoring
- HSPD-12/FIPS201 compliant
- UL 294 recognized
- Universal I/O device characterization



Benefits

- Affordable flexibility
- Reliably support a wide variety of sensors and control technologies
- Easy to install
- Supports OSDP, Wiegand, RS-485, magnetic stripe and keypads

The AX-MR52 is a dual-card reader interface panel with on-board flexibility to connect to a wide range of security devices. The economical AX-MR52 is easy to install and provides the necessary I/O for controlling two doors with auxiliary point control and monitoring — all in a single device.

Each high-performance unit can connect two card readers, eight general-purpose input monitor points, and six control relays to any Authentic Mercury EP series intelligent controller.



With two-wire RS-485 connectivity, the AX-MR52's two reader ports support OSDP, Wiegand, RS-485, and magnetic stripe readers. Keypads and integrated keypad readers are also supported. Hardware interface and card format settings are loaded through software commands.

The AX-MR52 is an ideal choice for a versatile and reliable interface panel for two doors.

Application notes

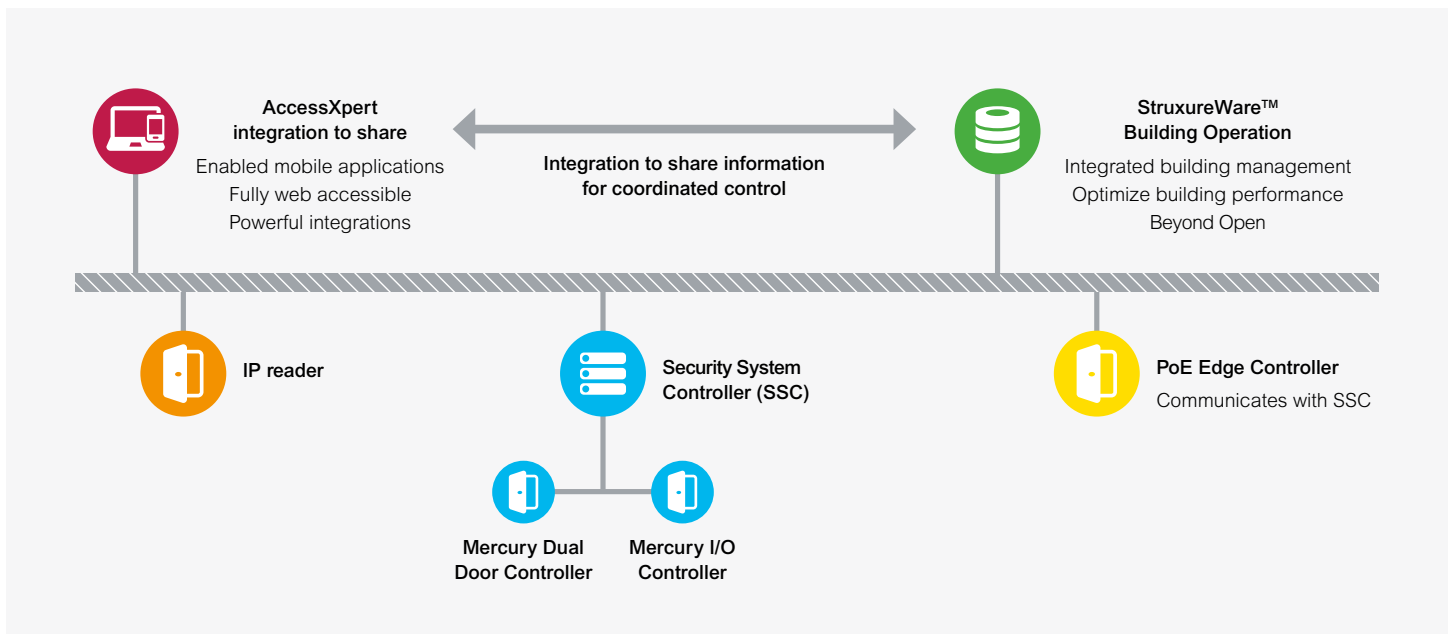
The inputs and relays may be assigned to door-related functions or to general purpose I/O. The inputs support normally open, normally closed, supervised, and nonsupervised circuits. End-of-line resistance values are configurable, and the relays can be configured for fail-safe or fail-secure operation.

When connected to an Authentic Mercury EP intelligent controller, the AX-MR52 can relate the activities of selected system devices to other devices within the system, generating actions and allowing activities to occur independent of the host. The AX-MR52 can also locally process access requests based on facility code verification, even when disconnected from an intelligent controller. Several facility codes may be active in each AX-MR52.

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Primary power	12 – 24 Vdc +/- 10%, 550 mA maximum 12 Vdc @ 450 mA nominal 24 Vdc @ 270 mA nominal	Buzzer	Only with one-wire LED
Communication	RS-485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)	Inputs	8 general purpose Programmable circuit type 6 relays: Form–C, 5 Amp 28 Vdc
Reader ports	2 reader ports Power: Input voltage pass-through Data card/keypad clock/data, Data–1/Data–0, or RS-485	Dimensions	6.0' W x 8.0' L x 1.0' H, (152 mm W x 203 mm L x 25 mm H)
Power	12 Vdc regulated, 125 mA each reader Data card/keypad clock/data, Data–1/Data–0, or RS-485	Temperature	32 – 158 °F operational, -67 – 185 °F storage
Keypad	8-bit Mercury, 8-bit Dorado, 4-bit HID	Humidity	0 to 95% RHNC
LED	One-wire bi-color LED support, or two-wire	Standards	UL 294 recognized CE compliant RoHS



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