

## Features

- Per port voltage isolation
- Universal system compatibilities across intelligent controller families
- RS-232 or RS-485 inputs accepted
- Supports up to four, 4-wire RS-485 channels or up to eight, 2-wire RS-485 channels

## Benefits

- Conquer difficult installations
- Guard against ground loop installation issues
- Flexibly expand data lines

The Access Platform **MUX8** adds flexibility to expand a single data line into multiple data lines to meet difficult system design and installation challenges. Common uses include star topology, wiring schemes, home-run wiring, or when wiring distances exceed the 4000 ft. limit of the RS-485 standard.

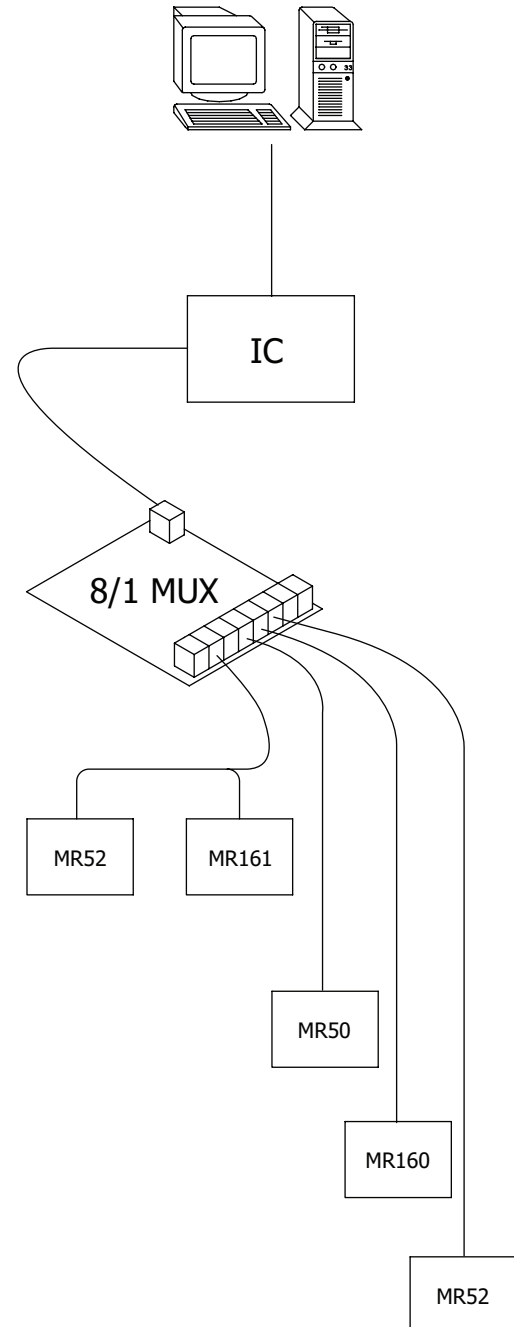
It utilizes bus-arbitration logic on a first-come, first-serve basis and can detect and deactivate a broken channel to protect the integrity of the communications bus.

The MUX8 is an 8-port multi-device interface panel that provides the flexibility to take RS-485 or RS-232 wiring inputs to create up to four 4-wire RS-485 communication channels or up to eight 2-wire RS-485 channels.

## Application Notes:

Mercury's MUX8 multiplexer accessories add to a developer's ability to manage divergent system installations. Unmatched power, flexibility, and economy make the Mercury multiplexers an essential, reliable and efficient element for developing today's sophisticated security systems in complex environments.

- Primary Power:** 12 to 24 VDC  $\pm$  15%, 350mA
- Interface Ports:** Port 1: RS-232/RS-485, selectable  
Port 3,5,7,9: RS-485, Transmit/Receive  
Port 2,4,6,8: RS-485, Transmit/Receive, or Receive Only
- Cable Requirements:** Power: 1 pair, 18 AWG  
RS-485: 24AWG, 4,000ft (1,200m) max., twisted pair(s) with shield.  
RS-232: 24AWG, 50ft (15m) max.
- Dimensions:** 5 in (127mm)L x 6in (152mm)W x 1 in (25mm)H
- Temperature:** 0 to 70 °C operational, -55 to 85 °C storage
- Humidity:** 5 to 95% RHNC
- Weight:** 5.4 oz. nominal
- Standards:** UL 294 Recognized  
CE Compliant  
RoHS



The Authentic Mercury open platform delivers quality assurance derived from the most proven and reliable hardware in the industry. Driven by our engineering excellence and technology leadership, Authentic Mercury hardware is designed as an access control platform that easily encompasses emerging technologies, changing industry standards and evolving system environments. Make yours Authentic, Make sure its Merc.