

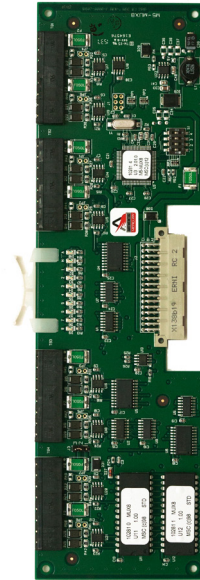
## Mercury M5-MUX8 Intelligent Controller

The M5-MUX8 multiplexer device is designed to replace a legacy Casi M Series 8RP to a single communications port that supports up to eight (8) external, two wire, RS-485 based channels.

As with all Mercury M5 controllers, this device provides all the functionality of the legacy Casi controller plus the addition of the Authentic Mercury MR50 controller capabilities. These robust features allow F/2F readers or Wiegand Interface Units (WIU) to be replaced with up to eight (8) MR50 reader interface boards. Replacement is simple and the device is ideal to meet difficult system design and installation challenges.

### Application Notes

Mercury's M5-MUX8 multiplexer adds to a developer's ability to manage divergent system installations. Unmatched power, flexibility and economy make the Mercury multiplexer an essential, reliable and efficient element for developing today's sophisticated security systems in complex environments.



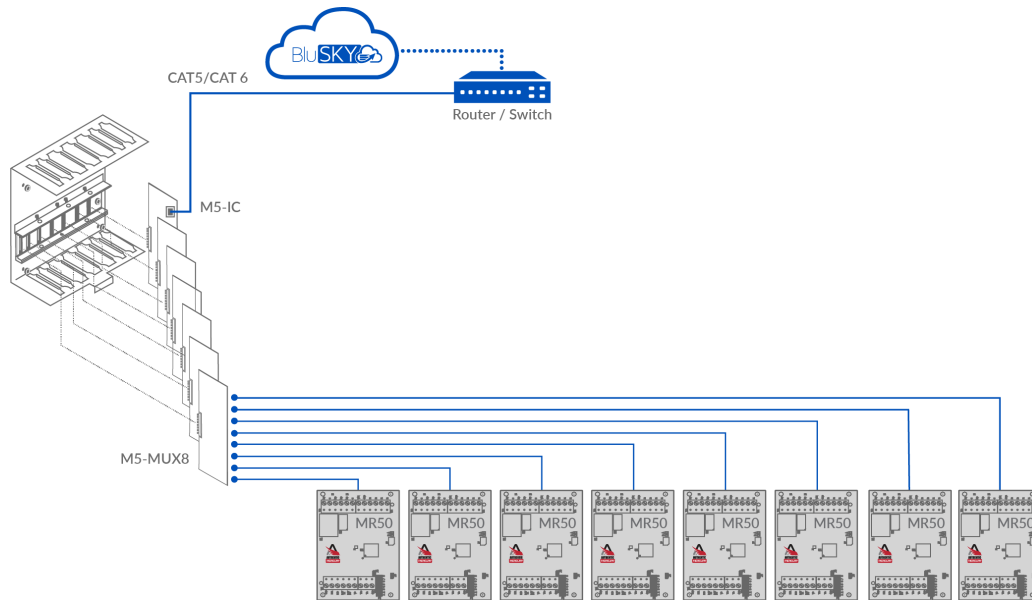
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### Features

- Allows replacement of F/2F readers, one per interface port
- Supports up to eight (8) MR50 series controllers
- Eight 2-wire RS-485 communication ports

### Benefits

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

### Primary Power:

- 12 VDC +/- 10%
- (10.8 to 13.2 Vdc)
- 350 mA maximum

### MR50 Power:

- 12 VDC
- 300 mA maximum per port

### Communication:

- Asynchronous 300, 1200, 2400, 4800, 9600, 19,200 or 38,400 bps

### Wiring:

- RS-485: 24 AWG 4,000 feet max, twisted shielded pair  
120 ohm impedance

### MR50 Power Wiring:

- 20 AWG, 500 feet maximum
- MR50 powered by M5-MUX8 18 AWG
- 3000 feet maximum, MR50 powered locally

### Temperature:

- Storage -55 to 85 °C
- Operating 0 °C to +50 °C

### Humidity:

- 5 to 95 % RHNC

### Standards:

- UL 294 Recognized
- CE Compliant
- RoHS

### Size and Weight:

- 0.69"H x 3.5"W x 10.25"L | 4oz. (w/o connectors)

## Ordering Information

MFG Part #	BluBØX Order #	Description
M5-MUX8	125-2200	Mercury M5-Mux8 - Replaces Casi M Series 8RP to a single communications port that supports up to eight (8) external, two wire, RS-485 based channels

BluBØX: Security Re-Imagined

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