



## Matrix Interface Board

### Convenience

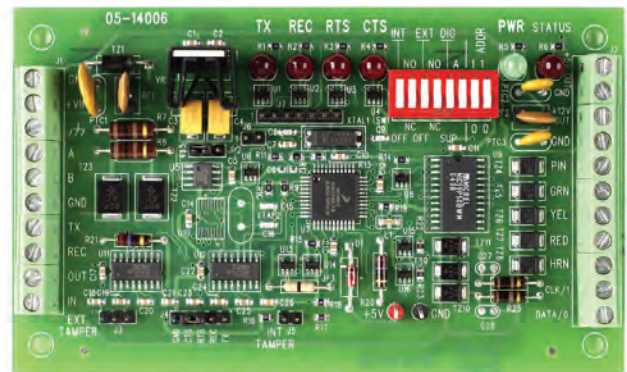
The Matrix Systems Interface Board (MIB) provides an easy way to interface with devices from other vendors in an access control system. While the Matrix Reader Control Module (RCM) typically controls Matrix card readers, the MIB allows the RCM to communicate with and control devices from third-party suppliers, such as biometric, HID, and other Wiegand output devices. The MIB acts as a converter, taking the Wiegand device's signals and changing them into the standard RCM communications format.

### Affordability

Since the Matrix Interface Board interfaces with non-Matrix devices, it provides a cost-effective solution for customers who want the advantages of a dependable Matrix access control system, without having to replace all of their legacy hardware.

### Reliability

The MIB connects directly to the Reader Control Module, which is the third layer of database redundancy in the Matrix Frontier™ system architecture. The RCM controls access to secured areas in the event of a communication loss to the Matrix Building Controller, thus making for a more reliable system. Matrix is the only security provider to offer three-tiered database redundancy, thereby eliminating the risk inherent in systems that depend solely on network communication.



### Highlights

- Provides convenient connection to third-party card readers, such as biometric, HID, and other Wiegand output readers
- Supplies cost-effective solution for customers who want to retain the existing readers and hardware in their legacy access control system
- Connects directly to the Matrix Reader Control Module, which provides extra reliability through database redundancy

# Matrix Interface Board

## Specifications

Physical	Dimensions: 3" (76.2 mm) width x 5" (127 mm) height x 3/4" (19 mm) depth Weight: 2.4 oz (68 g)
Environmental	Temperature: -31° F (-35° C) to +150.8° F (66° C) Humidity: 0% to 95% (non-condensing)-
Input voltage	12 VDC nominal at 60 mA to 260 mA (MIB requires 60 mA from RCM; an additional 200 mA available to power non-Matrix devices — see "Reader output voltage")
Reader output voltage	Two current-limited output voltage levels are available for powering magnetic stripe, proximity, or biometric readers: <ul style="list-style-type: none"><li>• 12 VDC, 200 mA (max)</li><li>• 5 VDC, 200 mA (max)</li></ul>
Communications	RS-485 -2W, dedicated (RCM communications) RS-232 (custom applications)
Inputs and outputs	Two tamper inputs; each input selectable for normally open, normally closed Five protected outputs for controlling devices, such as LEDs and horn
Electronics	Main electronic circuit board contains a single CMOS programmable microcontroller Connects to RCM and to Weigand device on other side of board
Reader interface	Magnetic stripe clock and data Wiegand
Warranty	One year from date of installation Return-to-factory standard Other levels of warranty available as options



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