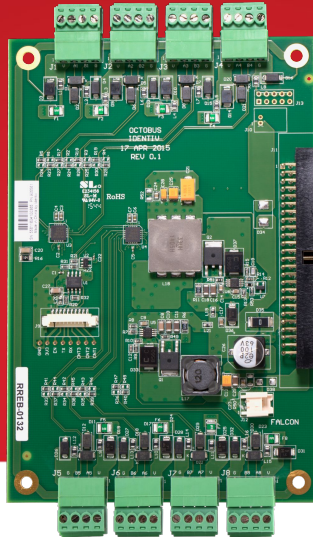# IDENTIV

RS-485 Reader Expansion Board (RREB)

The RREB Provides Fast, Two-Way OSDP Communication and Processing for PIV Certificates in Compliance with FICAM requirements.

Identiv's RS-485 Reader Expansion Board (RREB) is a unique reader communication device that installs onto the expansion cable of Hirsch Mx and DIGI*TRAC Controllers.

The RREB makes it possible to have extremely high data rates with up to 16 FICAM PACS PIV smart card readers while using Open Supervised Device Protocol (OSDP).

The RREB features eight independent channels for simultaneous RS-485 communication, capable of supporting 16 readers on eight doors (one entry and one exit per door).

OSDP

- Brings OSDP to the Hirsch PACS Platform

FICAM Compliant

- Developed to implement a FICAM-compliant solution simply and with optimal performance

Performance

- Isolated drivers for each door enables fast processing of credentials at all readers

Simple

- Uses EBIC5 ribbon cable, minimizing technician time and training
- Readers can use existing Wiegand wiring

Specifications

Communications	
Wiring from Controller	EBIC5
Supervision	RREB is a passive communications board; reader tamper and communication supervision is handled by SNIB3
Wiring to Reader	Two pair, stranded, twisted, overall shield 18 AWG
Communication Protocol	Half-duplex RS-485 plus power

Electrical	
Operating Power	900mA at 28VDC
Reader Power	• Eight terminals, two readers maximum per terminal • 500mA at 12VDC each

Physical	
Alarm	Physical tamper on panel enclosure
Dimensions	6.85 x 4.05 x .52 in (17.4 x 10.3 x 1.32 cm)
Shipping Weight	1 lb (0.45 kg)
Operating Temperature Range	32° to 140°F (0° to 60°C)
Relative Humidity	0 to 90%, non-condensing
Listings and Approvals	• UL-ALVY (294), Access Control Systems Units • CUL-UEHX7, Signal Appliances • CE

Please contact your Identiv regional manager to arrange for a web discussion and demo by calling +1-888-809-8880, emailing sales@ identiv.com, or visiting identiv.com.