



RS-485 Reader Expansion Board (RREB)

Fast, Two-Way Communication for Processing PIV Certificates in Compliance with FICAM

■ FICAM COMPLIANT

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

■ PERFORMANCE

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

■ SIMPLE

Connects to the controller's EBIC5 ribbon cable, minimizing technician time and training

■ AFFORDABLE

Leverages existing Hirsch PACS hardware, readers, and software, minimizing FICAM conversion costs

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 features eight RS-485 communication ports, capable of supporting 16 readers on eight doors (one entry and one exit per door). 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).

Some of the design elements include:

- Multiple reader technologies that support diverse card bases and transitions to common smart cards
- Reader communication lines that are isolated from each other and the rest of the controllers
- Optimized ground loop for all reader power configurations
- Eight independent channels for simultaneous communications
- Use of existing Wiegand wiring when needed

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.

Specifications

PARAMETER	RREB
Communications	
Wiring from Controller	Flat ribbon cable inside controller enclosure
Supervision	RREB is a passive communications board; reader tamper and communication supervision is handled by SNIB3
Wiring to Reader	<ul style="list-style-type: none"> Two pair, stranded, twisted, overall Shield 18 AWG Half-duplex RS-485 plus power
Electrical	
Operating Power	5A at 28VDC
Reader Power	<ul style="list-style-type: none"> Eight terminals, two readers maximum 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 style="list-style-type: none"> UL-ALVY (294), Access Control Systems Units CUL-UEHX7, Signal Appliances CE

Identiv, Inc. (NASDAQ: INVE) is the leading global player in physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and transportation sectors rely on Identiv's access and identification solutions. Identiv's mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to the Internet of Everything.

Identiv has offices worldwide. Addresses and phone numbers are listed at identiv.com/contact. For more information, visit identiv.com or email sales@identiv.com.