

The EWAC secure communications module includes two communications interfaces: 1) Wiegand and 2) Serial RS-485 which can also be converted to Ethernet. The Wiegand output is typically pre-configured for the chosen application, but is also field configurable using the MultiMode SDK. Serial/Ethernet communications are typically preconfigured for the chosen application.

Enables upgrade to FIPS 201 compliance: Upgrades any physical access control system.

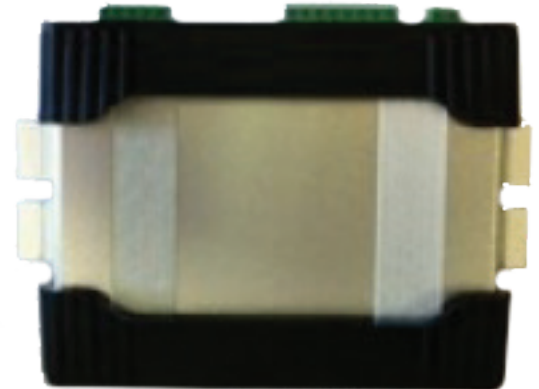
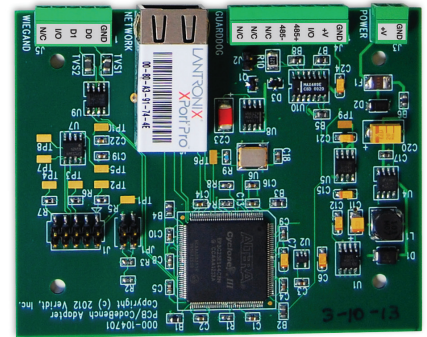
(PACS) to achieve FIPS 201 compliance without the need to rip-and-replace the existing PACS.

Configurable Wiegand output format: Matches PACS's desired format and bit length. Enables mandated PKI at the door without upgrading PACS controller or head-end software.

Validates PKI-based smart cards: Au-thenticates PIV, PIV-I, CIV, PIV-C, TWIC, FRAC and CAC cards. Enables path validation and certificate revocation checking using CRL, OCSP or SCVP.

Meets regulatory requirements: Enables facilities to authenticate PIV, PIV-I, CIV, TWIC, FRAC and CAC cards using one, two and three factor authentication to meet all necessary authentication modes and assurance levels specified in NIST SP 800-116 and the TWIC Reader Specification.

Central management of authentication modes: Enables dynamic control of authentication modes through HID pivCLASS Reader Services.



**Veridt Product Name..... EWAC Secure Communications Module**  
**Veridt Part Number..... 900M2000**  
**Dimensions, Board..... .. 80 x 100 mm (half euro card)**  
**Input Power.....12 VDC, 1A**  
**Output Reader Power.....12 VDC, 500 mA**  
**Battery..... Backup for real time clock**  
**Operating Temperature.....32°-120° F (0°- 49° C)**  
**Operating Humidity.....0% to 85% RHNC; indoor only**

### INTERFACE TO READERS

**Number Channels.....Supports 1 reader**  
**Communication..... RS-485 serial port (half duplex)**  
**Protocols..... Binary Reader Service**  
**Security..... .. Optional 256-bit AES encrypted RS-485**

### INTERFACE TO PACS CONTROLLER

**Number Channels.....Output for 1 reader**  
**Communication.....Wiegand**

### INTERFACE TO MANAGEMENT SYSTEM

**Protocol.....Ethernet TCP/IP**  
**Security..... ..Optional 256-bit AES encrypted Ethernet TCP/IP**

### COMPLIANCE & CERTIFICATION

**Safety.....FCC, UL 294**