

1-Factor Contactless Authenticating Reader

Selectable Wiegand or OSDP

Generational.

Card technology is transforming.

Whether you are Government or small business, you need Readers that can read multiple card types (especially PIV), electronically authenticate the card and be forward compatible to OSDP.



Core Features

- Reads all PIV, CAC, TWIC, PIV-I and PACSID™
- On-board CAK challenge-response verifies certificate private key and digital signature of public key certificate on CAC, PIV, PIV-I, PKPACS and PACSID Cards.
- Best-in-industry contactless read range, speed and error reduction.
- Supports OSDP Version 2.2 Secure Channel and Transparent Mode ADPU protocol.
- Firmware can be remotely reflashed & reconfigured via OSDP or locally at Reader.
- High-visibility Red, Green and Yellow LEDs
- All IDFACTORS Readers are shipped pre-configured for plug-and-play installation.

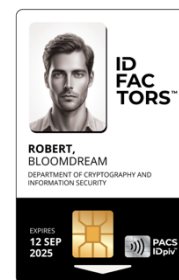
Optional Functionality

- FIPS-201 Crypto-accelerator for FICAM supports RSA-1024 & 2048, SHA-1, SHA-2, AES 128 & 256, & 3DES
- Dual-technology: 125khz Prox module

Using PKI to authenticate a PIV

All IDFACTORS Readers include native RSA PK challenge-response and signature verification, enabling them to authenticate that the Digital Certificate on PIV Card is genuine.

PACSID™ is a PIV-based open standard card designed for businesses who want to control their certificate and have multiple-source options. Learn more at www.idfactors.com/card



Part Numbers				
	Standard Part Number	With 125 KHz Prox Module	With FIPS-140 Cryptomodule	With Prox and Cryptomodule
Wiegand	73-01-3001-XX	73-01-3001-PX	73-01-3001-XC	73-01-3001-PC
OSDP	73-12-3001-XX	73-12-3001-PX	73-12-3001-XC	73-12-3001-PC

STANDARDS SUPPORTED

- ISO 14443 Contactless Card-to-Reader Interface
- NIST 800-73 PIV Interfaces
- NIST 800-76 Biometric Data for PIV (where applicable)
- NIST 800-96 Cryptographic Algorithms
- NIST 800-116 (PACS Guidance)

CREDENTIAL SUPPORT

- CAC, PIV, PIV-I, TWIC,, PKPACS, PACSID

LOGICAL & CARD READ PERFORMANCE

- Type A and Type B Contactless Transmission Protocols
- Supports Collision Detection (Multiple Cards in Field)
- Contactless Read Range: 95%+ at 2.0 inches (5 cm)
- Maximum Read Range: less than 4 inches (10 cm)
- Transmission Bit Rates 106, 212 and 424 Kbits per sec.

WIEGAND SUPPORT

- FASCN support for PIV cards
- GUID for PIV-I, TWIC, PKPACS & PACSID credentials
- Legacy ID from Prox or Mifare on PKPACS or PACSID

OSDP SUPPORT

- SIA OSDP Version 2.2 Secure Channel and Transparent Mode ADPU protocol

READER I/O

- Red, Yellow & Green LEDs (High Visibility)
- Audible Speaker
- USB-C Configuration Port – PIN Protection Included

PKI SUPPORT

- All Re-2048, ECC P-256, ECC P-384, SHA-1, SHA-256, SHA-384
- Optional FIPS-140 crypto module performs the cryptographic functions approximately 30% faster
- Supports native RSA-1024, 2048, AES 3DES, RSA-4096, Random Number Generation and Certificate Signature Validation
- Optional FIPS-140 crypto accelerator module supports high speed RSA up to 30% faster (card dependent)

ELECTRICAL SIGNAL

- **Access System Input:**
Terminal Block or RJ-45 Connector
Input Power: 12 Volt DC
- **Access System Outputs:**
48-bit to 200-bit Wiegand, RS 485, Mag Stripe, OSDP

PHYSICAL

- High impact weather resistant polycarbonate with TFE
- Reader Dimensions: 6.50" high x 4.50" wide x 2.75" deep

SYSTEM INTEGRATION

- PSG Global, LenelS2, Access Nsite, Honeywell/Vindicator,
- AMAG/KABA/Hirsch/Galaxy, JCI/Software House
- Schneider/Andover Controls, Sielox

ENVIRONMENTAL

- Indoor or Outdoor.
- -25 ° F to + 125° F (-32° C to + 66° C)
- 95% relative humidity (non-condensing)

WARRANTY

- With Contact Interface: 15 Months from Date of Purchase
- Contactless Only: 36 Months from Date of Purchase

TECHNICAL SUPPORT

- 510-346-1510; 08:00 to 17:00 Pacific Time M-F
- On-line www.idfactors.com/install

