IDFACTORS™

Affordable PIV Authentication.

At IDFACTORS, we build the only Access Readers that can authenticate a PIV Credential is the genuine issue.

THIS MATTERS because Mag-stripe, Prox and even Mifare cards can become the data source for a rogue card and the PACS will never know.

Whether Wiegand or OSDP, 1-Factor or multi-factor, it is essential to implement a card and reader technology that eliminates the risk of cloned credentials.



TrustPoint 1-Factor Reader

User presents	**Card**
Factors	● ○ ○
Verification	**PKI challenge-response (CAK)**

Explore the 1-Factor Reader →



TrustPoint Card Only Reader

User presents	**Card**
Factors	● ○ ○
Verification	**PKI challenge-response (CAK)**

Explore the Card Only Reader →



TrustPoint Card + PIN Reader

User presents	**Card and PIN**
Factors	● ● ○
Verification	**PKI challenge-response (PAK)**

Explore the Card + PIN Reader →



TrustPoint Card + PIN + BIO Reader

User presents	**Card, PIN and fingerprint**
Factors	● ● ●
Verification	**PKI challenge-response (PAK)**

Explore the Card + PIN + BIO Reader →

IDFACTORS™

Contactless PIV Authenticating Readers
Government and Commercial Grade

ENTRYPOINT AND TRUSTPOINT READERS

IDFACTORS newest Contactless Reader is the benchmark.
Architectural design backed by high security performance.

- On-board CAK challenge-response with RSA-2048; verifies the card certificate private key (CAK) on the CAC, PIV, PIV-I, TWIC, PKOC and TrustPoint cards.
- Optional Hardware Verification Module (HVM) is designed to meet FIPS 140-3 Level 3
- HVM accelerates processing of RSA, ECC and Post Quantum algorithms (PQC)
- Operates at maximum contactless speed
- Typical card read range: 1.0"+
- Can be field reflashed from Wiegand to OSDP Interface
- PKI Speed: Under 2-seconds in CAK challenge-response mode (card dependent)
- Indoor or outdoor installation
- System integration: PSG Global, Lenel, AMAG, Software House, Andover, Vindicator, Galaxy and others





1-Factor Contactless Reader

Product Numbers				
	ENTRYPOINT Part Number	With 125 KHz Prox Module	TRUSTPOINT + FIPS-140 HVM	With Prox and HVM*
Wiegand	73-01-3001-XX	N/A	73-01-3001-XC	N/A
OSDP	73-12-3001-XX	N/A	73-12-3001-XC	N/A

IDFACTORS™

1-Factor PIV Authenticating Readers
Contact, Contactless or Dual Interface

ENTRYPOINT AND TRUSTPOINT READERS

The Most Versatile and Secure 1-Factor Readers
Industrial Grade for Government and Industry

- Indoor or outdoor installation
- Contact-only Interface for high security locations that do not allow RFID
- Shutter protected card slot is available only from IDFACTORS
- Optional Module for 125-KHz Prox cards
- Card Connector rated to 500,000 insertions
- Heavy Duty polycarbonate enclosure
- Optional Hardware Verification Module (HVM) designed to meet FIPS 140-3 Level 3
- HVM accelerates processing of RSA, ECC and Post Quantum algorithms (PQC)
- Supports CAC, PIV, TWIC, FIDO, PKOC, PIV-I, and TrustPoint cards
- Reads card serial number from Mifare and DESfire cards
- Reflash from Wiegand to OSDP mode



Contact


Contactless



Dual Interface

Product Numbers					
		ENTRYPOINT Part Number	ENTRYPOINT +125 KHz Prox	TRUSTPOINT +FIPS-140 HVM	TRUSTPOINT +Prox and HVM
Contact Only	Wiegand	74-01-1001-XX	N/A	74-01-1001-XC	N/A
Contact Only	OSDP	74-12-1001-XX	N/A	74-12-1001-XC	N/A
Contactless Only	Wiegand	74-01-3001-XX	74-01-3001-PX	74-01-3001-XC	74-01-3001-PC
Contactless Only	OSDP	74-12-3001-XX	74-12-3001-PX	74-12-3001-XC	74-12-3001-PC
Dual Interface	Wiegand	74-01-2002-XX	N/A	74-01-2002-XC	N/A
Dual Interface	OSDP	74-12-2002-XX	N/A	74-12-2002-XC	N/A

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IDFACTORS™

2-Factor PIV Authenticating Readers
Contact, Contactless or Dual-Interface + PIN

ENTRYPOINT AND TRUSTPOINT READERS

The most flexible and trusted 2-Factor Readers
Industrial Grade for Government and Industry

- Sturdy Heavy-Duty construction built for indoor or outdoor installation
- Contact slot shutter gate protects against rain and debris
- Optional Dual Technology Module reads 125 KHz Prox Cards
- Configurable PIN to Card or Pin to Panel
- Field re-flash Wiegand to OSDP mode
- Optional Hardware Verification Module (HVM) designed to meet FIPS 140-3 Level-3
- HVM accelerates processing of RSA, ECC and Post Quantum algorithms (PQC)
- Supports CAC, PIV, TWIC, FIDO, PKOC, PIV-I, and TrustPoint cards
- Reads card serial number from Mifare and DESfire cards
- Reflash from Wiegand to OSDP mode



Contact with PIN



Contactless with PIN



Dual Interface wth PIN

Product Numbers					
		ENTRYPOINT Part Number	ENTRYPOINT +125 KHz Prox	TRUSTPOINT +FIPS-140 HVM	TRUSTPOINT +Prox and HVM
Contact + PIN	Wiegand	74-01-1002-XX	N/A	74-01-1002-XC	N/A
Contact + PIN	OSDP	74-12-1002-XX	N/A	74-12-1002-XC	N/A
Contactless + PIN	Wiegand	74-01-3002-XX	74-01-3002-PX	74-01-3002-XC	74-01-3002-PC
Contactless + PIN	OSDP	74-12-3002-XX	74-12-3002-PX	74-12-3002-XC	74-12-3002-PC
Dual Interface + PIN	Wiegand	74-01-2003-XX	N/A	74-01-2003-XC	N/A
Dual Interface + PIN	OSDP	74-12-2003-XX	N/A	74-12-2003-XC	N/A

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IDFACTORS™

2-Factor PIV Authenticating Readers with Display
Contact, Contactless and Dual-Interface + PIN

ENTRYPOINT AND TRUSTPOINT READERS

PIV Compliant 2-Factor Reader for **High Security Centers**
Where Threat Levels Change and Users Need to Know

- High-visibility OLED Display auto shifts to 1, 2 or 4 lines depending on message
- Display message informs user of threat level, required authentication factors and times, etc.
- Flash Wiegand to OSDP mode
- Available in Contact, Contactless or Dual Interface
- Configurable PIN to Card or Pin to Panel
- Indoor or outdoor installation
- Native PKI challenge-response
- Optional Hardware Verification Module (HVM) designed to meet FIPS 140-3 Level-3
- HVM accelerates processing of RSA, ECC and Post Quantum algorithms (PQC)
- Trusted signing certificates can be compiled into Wiegand readers or downloaded via OSDP
- Red, Green and Yellow status LEDs
- Best contactless read range of any PIV reader
- Contact acceptor includes shutter to block water and foreign objects and is rated to 500,000 cycles



Dual Interface with PIN and OLED Display

Part Numbers					
		ENTRYPOINT Part Number	**ENTRYPOINT +125 KHz Prox**	**TRUSTPOINT +FIPS-140 HVM**	**TRUSTPOINT +Prox and HVM**
Contact + PIN	Wiegand	75-01-1002-XX	N/A	75-01-1002-XC	NA
Contact + PIN	OSDP	75-12-1002-XX	N/A	75-12-1002-XC	NA
Contactless + PIN	Wiegand	75-01-3002-XX	75-01-3002-PX	75-01-3002-XC	75-01-3002-PC
Contactless + PIN	OSDP	75-12-3002-XX	75-12-3002-PX	75-12-3002-XC	75-12-3002-PC
Dual Interface + PIN	Wiegand	75-01-2003-XX	N/A	75-01-2003-XC	N/A
Dual Interface + PIN	OSDP	75-12-2003-XX	N/A	75-12-2003-XC	N/A

IDFACTORS™

3-Factor PIV Authenticating Reader with Display

FIPS-201 BIO Scanner for Very High Security Use Areas

ENTRYPOINT AND TRUSTPOINT READERS

Built for installations requiring Restricted (Level 3) Security

Full TWIC compliance. Ideal for securing SCIF and server rooms

- 3-Factor Card + PIN + BIO match verification
- High-visibility OLED Display auto adjusts by message to 1, 2, or 4 lines
- Messaging can inform the user of threat status, authentication modes required, etc.
- Selectable Wiegand or OSDP modes
- Display messaging programmable at Reader or via OSDP
- Supports CAC, PIV and TWIC Cards, including TWIC Private Key and Contactless Biometric
- Configurable PIN to Card or Pin to Panel
- Indoor or outdoor installation
- Optional Hardware Verification Module (HVM) designed to meet FIPS 140-3 Level-3
- HVM accelerates processing of RSA, ECC and Post Quantum algorithms (PQC)
- Secugen FIPS-201 and FBI approved BIO Scanner
- Red, Green and Yellow status LEDs
- Contact acceptor includes shutter to block water and foreign objects and is rated to 500,000 cycles



Contact, Contactless or Dual Interface with PIN, BIO and OLED

Product Numbers					
		ENTRYPOINT Part Number	ENTRYPOINT +125 KHz Prox	TRUSTPOINT +FIPS-140 HVM	TRUSTPOINT +Prox and HVM
Contact + PIN + BIO	Wiegand	75-01-5001-XX	N/A	75-01-5001-XC	NA
Contact + PIN + BIO	OSDP	75-12-5001-XX	N/A	75-12-5001-XC	NA
Contactless + PIN +BIO	Wiegand	75-01-5002-XX	75-01-5002-PX	75-01-5002-XC	75-01-5002-PC
Contactless + PIN + BIO	OSDP	75-12-5002-XX	75-12-5002-PX	75-12-5002-XC	75-12-5002-PC
Dual Interface + PIN + BIO	Wiegand	75-01-5003-XX	N/A	75-01-5003-XC	N/A
Dual Interface + PIN + BIO	OSDP	75-12-5003-XX	N/A	75-12-5003-XC	N/A

IDFACTORS™

TWIC, PIV and CAC Compliant Gate Terminal

ENTRYPOINT AND TRUSTPOINT READERS

Built to Operate in Difficult Environmental Conditions
Sea Ports, Energy Facilities and Military Bases

Includes a key- operated quick-disconnect interface for removal and storage during extreme weather events.

- Heavy-duty structural steel powder-coated enclosure with stainless steel front panel
- Contact, Contactless or Dual Interface
- 3-Factor Card + PIN + BIO match options
- Supports FIPS-201 compliant credentials: CAC, PIV, PIV-I, TWIC, PKOC and PACSID Cards
- High contrast OLED display guides user through the access transaction
- Wiegand or OSDP Version 2.2 Secure Channel and Transparent Mode ADPU protocol
- NEMA Rating (pending)
- Optional FIPS-140 Crypto Module for FICAM Compliance
- Secugen FIPS-201 and FBI approved Bio Scanner
- Large LED (Red, Green and Yellow) Status Indicator
- TSA APL Listed (Pending)



High-visibility OLED Display for Outdoor Installations

Prodcut Numbers (1)					
		Standard Part Number	With 125 KHz Prox Module	With FIPS-140 Cryptomodule	With Prox and Cryptomodule
Contact + PIN + BIO	Wiegand	75-01-9001-XX	N/A	75-01-9001-XC	NA
Contact + PIN + BIO	OSDP	75-12-9001-XX	N/A	75-12-9001-XC	NA
Contactless + PIN +BIO	Wiegand	75-01-9002-XX	N/A	75-01-9002-XC	N/A
Contactless + PIN + BIO	OSDP	75-12-9002-XX	N/A	75-12-9002-XC	N/A
Dual Interface + PIN + BIO	Wiegand	75-01-9003-XX	N/A	75-01-9003-XC	N/A
Dual Interface + PIN + BIO	OSDP	75-12-9003-XX	N/A	75-12-9003-XC	N/A

(1) Contact Factory for Configuration Assistance and Pricing

IDFACTORS™ EntryGate™

EntryGate™ Integrated PIV Reader and Controller

ENTRYGATE READER / CONTROLLER

Provides Stand-Alone Entry Control to Users with a PIV or CAC

Ideal for Gym, the Dock or the Flight Line

Designed for use where enrollment for access into low security areas is not practical. This includes high-traffic control points within a larger secured area. Ideal for:

- Parking gates
- Ports, Docks and Flightlines
- Dedicated training rooms and fitness facilities
- Common areas such as cafeterias
- 1st Responder access
- Motor and equipment control

Configurable to permit access by:

- 1-Factor Card Only or 2-Factor Card + PIN Modes
- Access can be limited to specified Agency or Agency + System Code identifiers
- Supports PKI Challenge Response to the CAK (1-Factor) or PAK (2-Factor) Certificates
- Selectable 5V or 12V DC Relay Control Output

EntryGate can be physically secured by an optional Locking Base Mount to prevent tampering with the lock control lines.



Contact, Contactless or Dual Interface with PIN



Reader with Optional Key-Lock Base Mount

Product Numbers					
		ENTRYPOINT Part Number	With 125 KHz Prox Module	With FIPS-140 Cryptomodule	With Prox and Cryptomodule
Contact + PIN		74-55-1002-XX	N/A	74-55-1002-XC	NA
Contactless + PIN		74-55-3002-XX	N/A	74-55-3002-XC	N/A
Dual Interface + PIN		74-55-2003-XX	N/A	74-55-2003-XC	N/A

IDFACTORS™

TrustPoint™ ID

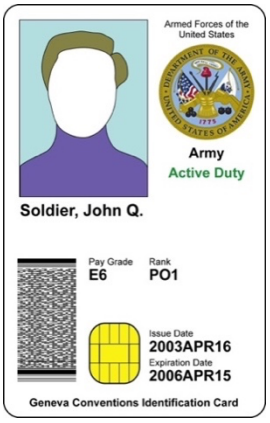
SMART-CARD CREDENTIALING BY IDFACTORS

Own Your Keys. Own Your Security

PIV Private Key Cards Put the Keys in the Customers Hands

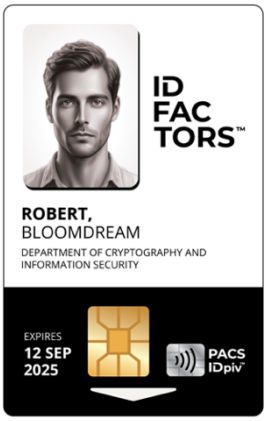
TrustPoint ID is a secure microprocessor equipped smart card based on the PIV standard and guidance.

TrustPoint cards can be provisioned, enrolled into 3rd party access system and managed by the Authara Credentialling and Management Application. With Authara, you can own your kevs



TrustPoint™ ID PIV-I (Interoperable) Credentials:

PIV-I credentials have a FIPS-201 applet that is compatible with any PIV capable reader, making them ideal as a visitor credential in Government and industry using CAC, PIV and TWIC credentials.



TrustPoint™ ID Legacy Format Credentials:

Legacy Format (LF) credentials are ideal for use in physical access systems planning a transition to PIV or PIV-I. With PIV Readers, the LF credentials can be programmed with a legacy 26-bit (or any legacy format) ID number in place of the FASCN or GUID, providing strong security without re-enrolling cardholders.

DESfire Credentials:

PACSID DESfire credentials are programmed with a "simulated" FASCN beginning with 9999 that is unique to the customer. The PIV format simplifies the management of card ID numbers in the PACS.

Product Part Numbers

Description	Standard Part Number	Read Interface	Standards	PKI Algorithm	Material/ Printable
DESfire	13-94-0004	Contactless 13.56 MHZ	ISO 14443	RSA-2048	60% PVC/40% PET
PACSID™/ PIV-I	12-94-1010	Dual Interface 13.56 MHz	ISO 14443 ISO 7816	RSA-2048	60% PVC/40% PET
PACSID™ / LF	12-94-2011	Dual Interface 13.56 MHZ	ISO 14443 ISO 7816	RSA-2048	60% PVC/40% PET

IDFACTORS™

General Specifications

ENTRYPOINT AND TRUSTPOINT READERS

General Specifications	
Government Cards Supported	• PIV, CAC, PIV-I, TWIC (Private Key)
13.56 MHz Cards Supported	• Mifare/DESfire, FIDO, PKOC, TRUSTPOINT
125 KHz Legacy Prox Support	• Optional mode to read legacy HID Prox cards (26 and 37 bit)
System Support	• All leading brands: PSG Global, Identiv/Hirsch, Lenel, Software House, AMAG, Andover, Sielox, Access Nsite
Standards Supported	• ISO-7816, ISO-14443, FIPS-201, NIST 800-73 & 800-116, TWIC SC/QTL
PACS Interface	• 20+ Wiegand Formats & OSDP 2.2 (Secure Channel and Transparent Mode)
Contactless Performance	• Reliably Reads at 1.5 – 2.5 Inches <1.0 Sec. (with no PKI transactions)
Contact Performance	• Landing Contacts Rated to 500,000 cycles. Shutter resists moisture and debris
Security Modes	• 1, 2 & 3-Factor Models Available
Native PKI Algorithms	• RSA-2048, AES 128 & 256, 3DES, RSA-4096, SHA-1, SHA-2 and RNG
FIPS-140 Crypto Module	• Optional for FICAM; accelerates performance + adds ECC algorithms
Power Management	• Requires 20% less power than most competitive products
PIN Modes	• PIN to Card, Pin to Panel and Pin only (pass-through) are supported
Output Ports	• Standard terminal block or RS-485 Serial Port
Programming Input	• PC ReaderConfig App via USB-B with optional Pin Code for security
Programmable Options	• Format, Security Mode(s), PIN Mode, PKI Mode, Display Messages, Other
Biometric Module	• Secugen sealed module / FIPS and FBI approved
OLED Display	• Hi-visibility OLED Display dynamically resets message to 1, 2 or 4-lines
Construction	• UL ABS/PC Housing with die-cast metal keys; UL 94 V0
Mounting	• Wall Plate, single or double-gang switch box
Connector Type	• Terminal Block or RJ-45 Connector
Operating INPUT Voltage	• 12V DC
User I/O	• Piezo Buzzer plus Red, Green & Yellow LEDs, Tamper Switch, 4-line OLED
Operating Temperature	• -25F to 125F (C)
UL Listing	• UL 294
Controller Communication	• Industry Standards Wiegand or SIA Standard OSDP 2.2
Cable Distance	• RS-485: 500 feet communication; AWG 18 or 22 (2 wires power and ground)
Low Power Mode	• Minimum power duty cycle when not in use (detecting a card)
Enclosure	• Lexan PC 940; UL V0 Flame and f1 for UV and moisture immersion

IDFACTORS™

Reader Installation Support Gear

SMART-CARD CREDENTIALING BY IDFACTORS

Own Your Keys. Own Your Security

PIV Private Key Cards Put the Keys in the Customers Hands

Weather & Security Shield for Series 74 1-Factor and 2-Factor Readers

Protects against direct rain. Restricts viewing angle during PIN input. Includes Conduit Port on top surface.

Part No. 74-40-1001



Security Lock-Down Bracket for Series 74 and Series 75 Readers

Protects against tampering with High Security Readers or unauthorized removal of EntryPoint Reader / Controller

Part No. 74-40-0005



Spacer Plate for 1-Factor & 2-Factor Series 74 Readers

For use on surfaces where additional gap area is needed for cable service loop.

Part No. 74-40-0009



Outdoor Wall Enclosure - Standard Duty Powder Coated Aluminum Hood with Quick Disconnect Stainless Steel Door

Protects against direct rain. Restricts view of PIN input. Includes Conduit Port on back surface.

Quick-disconnect door with Medico lock enables fast removal for storage during incoming weather events.

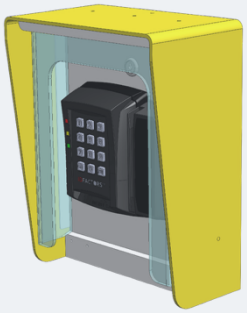
Part No. 74-40-9010



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Outdoor Gate Enclosure - Heavy Duty Powder Coated Steel with Quick Disconnect Stainless Steel Door

Provides protection at unattended vehicle entrances. Quick-disconnect door with Medico lock enables fast removal for storage during incoming weather events.



Part No. 74-40-9020

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IDFACTORS™

TrustPoint™ Desktop Readers

Issue. Verify. Manage.

SMART-CARD CREDENTIALING BY IDFACTORS

TrustPoint Hardware is tightly integrated with Authara

The two put the Keys in the Customers Hands – Securely

The Desktop TrustPoint Reader is tightly integrated with Authara to create and personalize TrustPoint cards. The Reader uses a Yubikey 2 Hardware Security Module (HSM), always keeping the signing keys securely stored in hardware.

- Integrates a contact and contactless interface with a keypad and a biometric scanner, replacing the 4 devices other enrollment applications use.
- A 4-line OLED display guides the user through the card creation and personalization process.
- Can be used to set and change a PIN, enroll a biometric
- Uses a YubiHSM HSM, always keeping the signing keys in hardware.
- The YubiHSM 2 is further protected by an HSM Vault with a high-security Medico Key.
- The desktop stand can be bolted down for additional physical security.

What is a Protected Legacy Format? Often times customers need a transition period to move from legacy cards (like Prox and Mifare) to modern PIV cards. If the ID numbers can be consistent between the 2 cards, the process is simplified. The Desktop Readers can read and insert the legacy number into the new PIV card certificate, providing PKI protection without changing the access system

What is an HSM? An HSM is a hardware module designed to securely manage and protect cryptographic keys and operations. An HSM is central to any strong security system and offers a high level of security for cryptographic processes including key generation, storage and management.



1-Factor Contactless Reader
Imports Prox & Mifare to PIV-I Cards



2-Factor Dual Interface Reader
Includes HSM Vault and Mifare Import



3-Factor Dual Interface BIO Reader
Includes HSM Vault and Secugen Scanner