

3-Factor OSDP Reader

Contactless, Contact or Dual Interface with PIN
Secugen FBI/FIPS Approved BIO Module and
Dynamic High Visibility OLED Display

Very High Security Multi-Factor Authentication.

Whether you are Government or small business, you probably have doors that need very high security, whether it be a:

- Data center
- SCIF
- BIO research lab
- R&D center

Our 3-Factor Fingerprint BIO Readers are the most advanced high-security door access readers available. The form factor optimizes a speedy, user-friendly experience and the architectural design fits into any environment.



With easier to use products comes better security

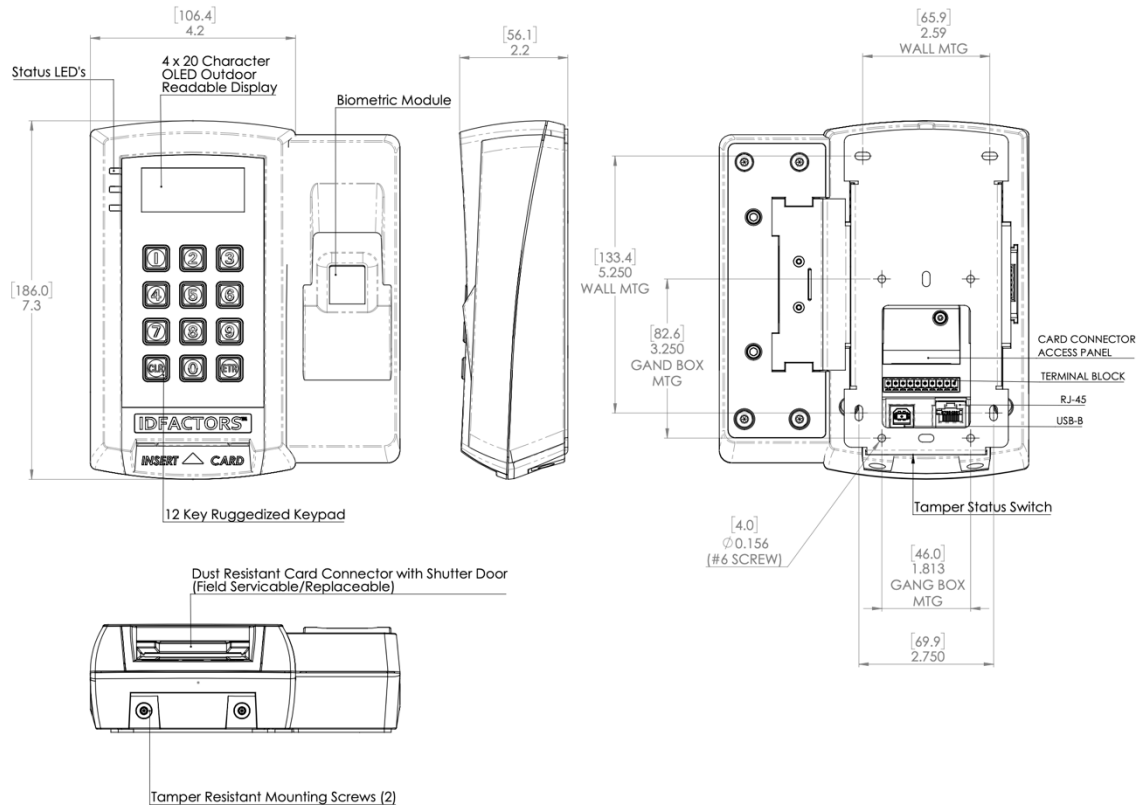
- State-of-the-art plug-and-play technology with OSDP protocol and affordable PIV authentication deliver a more secure and faster throughput time that customers and users will demand
- A tightly integrated, FBI/FIPS approved, high-speed industrial grade fingerprint sensor from Secugen delivers nearly instant finger recognition with 360-degree finger rotation tolerance.
- A high-contrast / high visibility OLED display guides the user through the process. The 4-line by 20 character display self-adjusts to larger characters in a 3 x 20 and 2 x 20 format for maximum visibility based on the length of the displayed message.

Features and Options

- Reads all PIV, CAC, TWIC, PIV-I, and PACSID™ Cards
- 2-Factor Contact interface per FIPS-201 and FICAM requirements for high security
- Native RSA 2048 challenge-response verifies the certificate CAK and PAK.
- Best-in-class contactless read range and speed minimizes card read errors.
- Contact-only mode is ideal for doors that may be sensitive to nearby “data sniffing.”
- Supports PIN to Card (PIV) and Pin to Panel
- Contact Card Acceptor rated at 500,000 insertions and includes an articulating shutter to block foreign debris and moisture.
- 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 contrast OLED display with outdoor environmental guides user and displays status in real time
- High-visibility Red, Green and Yellow LEDs provide a 2nd digital indication of access status
- All IDFACTORS Readers are shipped pre-configured, ready for plug-and-play installation.
- The Secugen Fingerprint Module is outdoor rated and tightly fitted in the Reader housing. It is the fastest and most accurate sensor module available, assuring the smoothest user experience.

Optional FICAM Functionality

- A FIPS-201 Crypto-accelerator supports required FICAM functionality: RSA-1024 & 2048, SHA-1, SHA-2, AES 128 & 256, 3DES and FIPS approved RNG



Specifications

STANDARDS SUPPORTED

- ISO 7816-3 Contact Card-to-Reader Interface
- 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

- T=0, T=1 Contact Smart Card Interface
- 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

- 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

- Readers support native RSA-1024, 2048, AES 128 & 256, 3DES, RSA-4096, RNG and Signature Validation
- Optional FIPS-140 crypto accelerator module reduces time by 30% (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: 7.50" high x 6.25" wide x 2.35" deep
- Smart Card Connector rated to 500,000 Insertions (includes Shutter to protect against rain and debris)

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

Part Numbers					
		Standard Part Number	With 125 KHz Prox Module	With FIPS-140 Cryptomodule	With Prox and Cryptomodule
Contact + PIN	Wiegand	75-01-5001-XX	N/A	75-01-5001-XC	NA
Contact + PIN	OSDP	75-12-5001-XX	N/A	75-12-5001-XC	NA
Contactless + PIN	Wiegand	75-01-5002-XX	75-01-5002-PX	75-01-5002-XC	75-01-3002-PC
Contactless + PIN	OSDP	75-12-5002-XX	75-12-5002-PX	75-12-5002-XC	75-12-3002-PC
Dual Interface + PIN	Wiegand	75-01-5003-XX	N/A	75-01-5003-XC	N/A
Dual Interface + PIN	OSDP	75-12-5003-XX	N/A	75-12-5003-XC	N/A