

# MorphoSmart™ Optic I350e



## MorphoSmart™ Optic I350e

**Listed on GSA FIPS 201 APL  
GSA FIPS 201 Certified for  
Single Fingerprint Capture and  
Transparent Reader**

- Smartcard reader and biometric sensor in one for 2-factor authentication
- Supports FIPS 201 compliant credentials
- FIPS 201 approved template generator and matcher
- MorphoSmart™ Optic biometric sensor technology
  - Compact 500 dpi optical fingerprint sensor
  - Certified at the highest level: FIPS 201, FBI PIV-IQS
  - Most accurate and interoperable fingerprint technology on GSA FIPS 201 APL
  - Exceeds standard for image quality specified by NIST, BIMA, FBI
- Morpho fingerprint image enhancement
  - Filter, correct effects of dirt, grease, scars



[www.morphotrak.com](http://www.morphotrak.com)



**MorphoTrak**  
SAFRAN Group



# MorphoSmart™ Optic 1350e

Fingerprint processing unit with contact smartcard reader

MorphoTrak offers PIV compliant biometric products, from GSA approved algorithms and biometric capture to “smart” physical and logical access control readers. Please find our suite of PIV products at :

[http://www.morphotrak.com/MorphoTrak/MorphoTrak/IM/mt\\_FIPS\\_201.html](http://www.morphotrak.com/MorphoTrak/MorphoTrak/IM/mt_FIPS_201.html)

## MorphoSmart™ Optic 1350e

Fingerprint processing unit with contact smartcard reader

- Worldwide Technology Provider of biometric identification systems, passports, and forensic solutions in over 100 countries. Systems manage over 2.5 billion fingerprints.
- Trusted Security Partner to the U.S. Government for 35+ years, to over 130 State and Federal criminal justice agencies
- Top Ranked Biometric Algorithms. MorphoTrak's performance in NIST testing consistently outranks the competition.

### Applications

- PIV card issuance
- Single Sign-on (SSO)
- Match on Card (MOC)
- Logical Access: PC and network access control
- Single Finger enrollment

## Technical Specifications

### Fingerprint Sensor

- High quality FBI certified optical sensor
- 500 dpi resolution, 416 x 416 pixels
- .55" x .87" sensor area (14mm x 22mm)
- FBI Certified list:  
<http://www.fbi.gov/hq/cjisd/iafis/cert.htm>
- FBI list product name: MSO 1350e

### Biometrics

- Verification time < 1 sec

### Smartcard Contact Reader

- Conforms to Personal Computer / Smartcard (PC/SC) specification for reader-to-host system interface in desktop computing environment
- Smartcard interface is C CID compliant to ISO 7816, parts 1, 2, 3, 4

### Operating Temperature

- 32 F to 104 F (0 C to 40 C)

### Connections

- USB

### Processor

- Powered by Dual ARM9 microprocessor

### Dimensions

- 2.6" x 1.5" x .6" (67mm x 38mm x 15mm)

### Software Development Kit

- SDK available for VAR's who want to develop their own embedded applications. Contact us for more information

Compliant with ARRA/Buy American Act

### Biometric Features

- MorphoSmart™ Optic – Biometric sensor technology certified at the highest level: FIPS 201, FBI PIV-IQS
- Fingerprint verification < 0.8 sec
- Fingerprint identification < 1 sec
- Exceeds standard for image quality specified by NIST, BIMA, FBI
- World renowned fingerprint algorithms for unparalleled accuracy
- MSO includes embedded software/ firmware components integrating MorphoTrak's award winning NIST-certified algorithms
- GSA approved MINEX certified template generator and matcher
- Most accurate and interoperable fingerprint sensor technology on GSA FIPS 201 APL
- Morpho fingerprint image enhancement – Fingerprint filtering and repair of false minutiae points (dirt, grease, scars, wrinkles, cuts, and foreign objects) to optimize acquisition and pre-processing

	MSO 1350e	MSO 1300e
Interface	USB	USB
Smartcard reader	Yes	Yes
Certification FBI PIV-IQS	Yes	Yes
Product Numbers	MS00-13500B-P	MS00-01300B-P

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