



# EntrapASS™

ACCESS SECURITY SOFTWARE

## MORPHOSMART™ OPTIC 1350e

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



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FINGERPRINT CAPTURE AND TRANSPARENT READER

## Applications

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

## 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