

MorphoCheck™ PIV/CAC



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*Rugged handheld terminal
for credential verification*

- Supports FIPS 201 compliant credentials (FRAC, PIV, CAC)
- MorphoSmart™ Optic - Biometric sensor technology certified at the highest level: FIPS 201, FBI PIV-IQS
 - Compact 500 dpi optical fingerprint sensor
 - Most accurate and interoperable fingerprint technology on GSA FIPS 201 APL
- Morpho fingerprint image enhancement
 - Filter, correct effects of dirt, grease, scars
- Lightweight form factor allows one-handed operation
- Integrated Bluetooth, Wi-Fi and GSM/GPRS
- Hardened Unit – Withstands multiple drops from 6 ft to concrete



www.morphotrak.com



MorphoTrak
SAFRAN Group



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Technical Specifications

Physical characteristics

- Weight: 22oz with battery
- Platform:
 - PXA270 520 MHz, 32 Bit RISC CPU
 - 256 MB Flash, 128 MB RAM
- Power: Hot swappable 4000 MAh battery
- Battery Life: 9.5 hrs continuous use
- Display: 3.6 VGA color touch screen
- 2D Barcode reader (optional)
- Operating Temperature: -4 F to 122 F
- Storage Temperature: -4 F to 122 F
- Drop Spec: Multiple drops from 6 feet to concrete
- Environmental:
 - Base unit: IP65
 - End cap: IP54
- Integrated Secure Access Module (SAM) sockets
- Smartcard Interface: Integrated ISO-7816 contact and ISO 14443 A/B contactless reader

- PIV IQS certified fingerprint sensor
- FIPS 201 approved template generator and matcher
- Exceeds standard for image quality specified by NIST, BIMA, FBI
- Most accurate and interoperable fingerprint technology on GSA FIPS 201 APL
- Handles 180 degree fingerprint rotation
- Verification time >0.8 sec.
- Identification time > 1 sec.
- 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

Biometric Characteristics

- MorphoSmart™ Optic sensor
 - 500 dpi optical sensor
 - 55" x .87" sensor area (14mm x 22mm)
 - FBI approved fingerprint sensor

MorphoCheck™ PIV/CAC terminals are the product of thirty-five years on continuous improvement measures which include engineered improvements to both the biometric sensors and algorithms for:

- Correction of finger rotation
- Patented fake finger detection
- Identification, filtering and repair of false minutiae points (dirt, grease, scars, wrinkles, cuts, foreign objects)
- Identification and filtering of latent prints that build up on the biometric sensor

MorphoCheck™ is a lightweight, ruggedized handheld terminal that can read all FIPS 201 compliant cards and instantly verify the person's identity and whether that person is entitled to be at a particular location. The unit verifies the credential is valid and performs biometric authentication of the holder to the fingerprint template stored within the card.

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

- 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.

MorphoCheck™ is compliant with ARRA/Buy American Act.

	MC200e	MC250e	MC200	MC250
FBI Certified Sensor	Yes	Yes	Yes	Yes
Contact Reader	Yes	Yes	Yes	Yes
Contactless Reader	Yes	Yes	Yes	Yes
2D Barcode Reader	No	Yes	No	Yes
Bluetooth, WiFi, GSM/GPRS	Yes	Yes	Yes	Yes

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