

FbF[®] mobileOne

Biometric capture, enroll and identify capability for iOS devices



FbF[®] mobileOne is a portable biometric fingerprint scanning accessory built exclusively for the iOS platform (iPod touch and iPhone). The FBI has certified that this product meets specifications listed in the EBTS Appendix F Mobile ID SAP 10 using Personal Identity Verification (PIV) Single Finger Capture Device Specifications of the FBI's Integrated Automated Fingerprint Identification Systems (IAFIS) Image Quality Specifications.

FbF mobileOne is ideally suited for a variety of mobile application use cases, such as:

- Hospitals and Health Centers
- Border Control/Immigration
- Disaster scene management
- ID document authentication
- Remote worker time & attendance
- Missing persons ID
- Access control
- Mobile law enforcement
- Forensics investigations
- Mobile combat

Key Features

- Works with iPod touch and iPhone
- FIPS 201/PIV compliant fingerprint sensor suitable for the most demanding 1:N identification challenges
- 1200 mAh rechargeable Lithium Ion internal battery provides 9 hours or of battery powered scanning
- USB mini-port allows for recharging when connected with a standard 5V USB power source
- Constructed of lightweight durable ABS plastics
- Low profile (carry in your pocket even when docked)
- Developer API includes the fingerprint library needed to easily incorporate biometric capture into your iOS (iPhone and iPod touch) applications

FbF mobileOne offers commercial grade fingerprint and face ID on iOS devices through a sleek fitting sleeve that when docked with iPod touch or iPhone still fits comfortably in a cargo pant pocket. Furthermore, this accessory was designed with standards in mind, making iOS devices useful for a variety of large-scale 1:N identification challenges. For use in the field, this means both fingerprint and face images can be captured and stored in the device's on-board database or communicate via secure Wi-Fi to remote databases or automated identity systems (AFIS).

The FbF mobileOne Bundle includes one FbF mobileOne accessory and an easy to use API, which includes face and fingerprint libraries to make it easy for developers to integrate biometrics into their mobile iOS applications.

Benefits

- Works with the most widely adopted mobile platform (iOS), making it possible to create applications for devices your target customers may already own.
- Very simple to program against, maintain and use.
- Meets industry standards for quality, which means your applications can be accepted by organizations that rely on these standards when choosing technology.
- Increases security, because the fingerprint capture device is commercial grade and reliable.
- A vendor you can trust. Fulcrum Biometrics is a highly reputable and knowledgeable US based biometrics solution provider that has been delivering biometric hardware, software and consulting services since 2002.

Specifications

Apple iOS Supported Devices

- iPod touch (2nd, 3rd & 4th generations)
- iPhone (3G/3GS/4)

Interfaces

- Apple 30 pin connector
- Wi-Fi 802.11 b,g,n (native Wi-Fi)
- USB Mini Port
- Bluetooth

Dimensions*

- 6.33" x 2.6" x .875"
(15.8 x 6.6 x 2.22 cm)

Weight*

- 0.4 pounds (182 grams)

Power Supply

- Internal Li-Ion rechargeable battery (1200 mAh)
- External 5V via USB Mini-Port
- Battery Life >9 hours in full operating mode
- Quick Recharge <4 hours to recharge a fully drained battery using 5V power source
- Includes recharging cable

LED

- Single LED provides ON, Scanning, and Low Battery status

Fingerprint Scanner

- FIPS 201/PIV compliant fingerprint sensor from AuthenTec
- Image Resolution: 508 dpi, 256-bit grayscale
- Image Capture Method: Capacitive Touch
- Active Sensing Area: 18mm x 12.8mm (0.7" x 0.5")
- Image array size: 360 x 256 pixels
- Less than 2 second authentication time
- Very Low FRR/FAR

Certifications

- FCC, CE, RoHS

Operating Environment

- Temperature: 32° to 104°F (0° to 40°C)
- Humidity: <90 % relative, non-condensing

* when docked with iOS device

Product Highlights

- **Multi-Modal Mobile Collection**
Rapidly capture a single fingerprint or all ten fingerprints and high quality face images on iOS mobile devices (iPod touch and iPhone).
- **Secure Wireless**
Transmit data between mobile client and server securely via the iOS device's native Wi-Fi, which supports WPA2 with high encryption or via cellular data.
- **Local or Remote ID**
Fingerprint and face capture and matching can be done locally using the iOS device's onboard database or remotely by connecting to a remote AFIS system for large-scale, 1:N identification. (FBI IAFIS/RISC certified)
- **Forensic Quality**
FIPS 201/PIV compliant fingerprint sensor from AuthenTec provides a full 256 bit grayscale, 508 dpi image suitable for the most demanding 1:N identification challenges.
- **Large Storage Capacity**
Store up to 5000 subjects locally using the iOS device's onboard database.
- **Low Profile**
FbF mobileOne's sleek design makes it easy to carry—even in your pocket when docked!

Founded in 2002, Fulcrum Biometrics is a leading international provider, distributor and integrator of biometric identification technologies and devices for commercial, civil and military customers in more than 85 countries worldwide. Fulcrum's sole business concern is assisting enterprises and government agencies alike with the selection, integration and deployment of biometrics solutions. The company's offerings include industry-leading biometric software development tools, a wide selection of biometric sensors, as well as, custom integration and implementation of identity management solutions.

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