PM95FP

Biometric Fingerprint Reader

FINGERPRINT AUTHENTICATION FOR POINT MOBILE DEVICES SECURE & SEAMLESS BIOMETRIC VERIFICATION IN THE FIELD

Product Overview

The Snap-on Biometric Fingerprint Scanner is a field-mountable accessory that brings fast, secure identity verification directly to your mobile workforce. Simply snapped onto a Point Mobile mobile computer, it turns the handheld into a biometric terminal for public safety, law enforcement, border control and mission-critical field operations. The Snap-on Scanner launches with the PM95, with compatibility for additional Point Mobile devices to follow.

Instant Biometric Identity Verification

A large-area (20.32 x 25.4 mm) optical fingerprint sensor, certified by the FBI to PIV-071006 (FIPS 201) and Mobile ID FAP 30*, captures rich biometric data per touch for real-time identity checks, access control and field authentication.



Spoof-Resistant & Encrypted

Live Finger Detection (LFD) rejects fake fingers, a NIST MINEX III compliant algorithm delivers accurate matching, and AES-256 encryption protects fingerprint data in transit.

Seamless & Secure Snap-on Architecture

Attaches securely to the host device without compromising mobility or ergonomics. At just 143.5 g, it enables effortless deployment and operation in demanding environments.

Built for Mission-Critical Environments

MIL-STD-810H drop protection (1.0 m to concrete), operation from -10 °C to 55 °C, thermal-shock testing from -30 °C to +70 °C and ±15 kV air ESD immunity.

Uncompromised Operational Continuity

A dual USB Type-C interface — one port for USB 2.0 host data communication and one dedicated power port — keeps field operations running.

Target Applications

Public Safety & Law Enforcement	On-the-spot identification and background checks
Border Control & Immigration	Fast identity verification at checkpoints and ports of entry
Field Access & Security	Facility access control and workforce identity management
Finance, Healthcare & Benefits	Customer identity verification, benefit transfer and enrollment

FAP 30 FBI CERTIFIED SENSOR*	**500 ppi** OPTICAL SENSOR	**20.3x25.4** SENSING AREA (mm)	**LFD** LIVE FINGER DETECTION	**AES-256** DATA ENCRYPTION	**143.5 g** LIGHTWEIGHT
USB-C DATA + POWER PORTS	**1.0 m** DROP MIL-STD-810H	**10,000** MINI DROP CYCLES	**-10~55°C** OPERATING TEMP.	**±15 kV** AIR ESD ±8 kV CONTACT	**CE** RoHS · WEEE REACH

* FBI certification (FBI Certified Products List) applies to the integrated fingerprint sensor. The Snap-on Scanner as a system is not separately listed on the FBI Certified Products List.

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BIOMETRIC FEATURES

The Snap-on Scanner integrates a large-area optical fingerprint sensor whose 20.32 x 25.4 mm sensing surface captures rich ridge detail, delivering the accuracy and security required by government and enterprise identity programs.

- **FBI Certified Sensor***
  Fingerprint sensor certified to FBI PIV-071006 (FIPS 201) and FBI Mobile ID FAP 30
- **International Standards**
  ISO 19794-2, ISO 19794-4, ANSI 378, ANSI 381 and WSQ supported
- **Live Finger Detection (LFD)**
  LFD rejects spoofing attempts by screening the liveness of the finger being captured
- **Advanced Algorithm**
  NIST MINEX III compliant fingerprint algorithm delivers reliable extraction and matching performance
- **AES-256 Encryption**
  256-bit AES encryption (AES-256) to ensure the security of your fingerprint data in transit
- **Strong Adaptation**
  Good adaptation for dry, moist and rough fingerprints
- **Correction and Authentication**
  Supports auto correction and 360-degree rotation authentication
- **Cloud-Ready**
  Seamlessly joins cloud-based biometric authentication platforms
- **Different OS Support**
  Android (Point Mobile host devices), Windows 7 / 8 / 10 and other embedded systems
- **Comprehensive SDK**
  A comprehensive software development kit is available for development and integration
- **Large Sensing Area**
  20.32 x 25.4 mm platen captures a larger fingerprint surface for higher accuracy



Illustration: PM95 with the Snap-on Scanner attached.

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FINGERPRINT SENSOR

Sensor Type	Optical Biometric Fingerprint Sensor
Sensing Area	20.32 x 25.4 mm (0.8 x 1.0 in.)
Resolution	500 ppi
Image Size	400 x 500 pixels
Sensor Certification*	FBI PIV-071006 (FIPS 201) FBI Mobile ID FAP 30
Image Standards	ISO 19794-4, ANSI 381, WSQ
Template Standards	ISO 19794-2, ANSI 378
Algorithm	NIST MINEX III compliant
Anti-Spoofing	Live Finger Detection (LFD)
Data Security	AES-256 encryption
Rotation Tolerance	360° rotation authentication with auto correction

INTERFACE & CONNECTIVITY

Host Communication Interface	USB 2.0 Host
External I/O Ports	Dual USB Type-C Ports 1x Data Transfer Port 1x Dedicated Power/Charging Port
Wireless / Docking	Direct Physical Snap-on Mount

SOFTWARE

OS Support	Android (Point Mobile host devices) Windows 7 / 8 / 10, other embedded systems
SDK	Fingerprint SDK for development and integration
Cloud	Cloud biometric authentication platform ready

PHYSICAL & MECHANICAL

Form Factor	Field-Mountable Snap-on Accessory
Housing Material	High-Durability Polycarbonate (PC)
Color	Black
Surface Finishing	MT-11010 Matte Texture
Dimensions	141.0 x 97.4 x 30.0 mm 5.55 x 3.83 x 1.18 in.
Weight	143.5 g

ENVIRONMENTAL & DURABILITY

Operating Temperature	-10°C to 55°C (14°F to 131°F)
Thermal Shock Resistance	-30°C (5 hrs) to +70°C (5 hrs), 3 Cycles
Drop Test Standards	MIL-STD-810H for 1.0 m on concrete (38 drops) at room temperature
Operating Repetitive Drop Test (Mini Drop)	10,000 cycles

Connector & Mount Durability

USB Type-C	Insertion/ejection: 10,000 cycles
Snap-on Mount	Attachment/detachment: 10,000 cycles

Electrostatic Discharge (ESD)

ESD	Air ±15 kVdc Contact ±8 kVdc

COMPATIBILITY & CERTIFICATIONS

Host Device Compatibility	Point Mobile PM95 Rugged Handheld Computer
Regulatory Compliance	CE, RoHS, WEEE, REACH

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