

Mobile Biometric Identification

For Identity Management and Security Personnel





As the global community integrates across traditional boundaries, government agencies and corporations are seeking more reliable ways to identify their citizens and customers, protect them from fraud, and secure their personal information. Motorola understands this need and has responded with a comprehensive biometric handheld identity management solution, utilizing the MC70 and MC75 series of handheld computers and the Biometric Attachment.

Motorola has been delivering powerful public safety solutions for over 75 years. Our portfolio of innovative products brings advanced rugged handheld solutions to the identity management marketplace. Motorola defined technologies like bar code scanning and image capture, RFID, wireless local area and wide area communications and integrated them into industry leading handheld mobile computing devices. Motorola has a legacy of putting new ideas to work, around the world, for thousands of organizations—from retail, utilities and transportation, to government, petrochemicals and manufacturing.

Motorola brings solutions that empower government personnel with the information they need to make real-time on-the-spot decisions, using mobile technology so intuitive and transparent it's almost as if the enterprise is no longer a fixed entity...it is everywhere.

Mobile Identification solutions deliver four key capabilities

A handheld biometric tool can capture fingerprints, facial images, scars and tattoos. Motorola's solution can be used for:

- 1:N remote identification – To perform searches against remote databases using records transmitted wirelessly from the device
- 1:N local identification – To capture and search one or more fingerprints against a portable database stored on the handheld device
- 1:1 local verification – To match one or more fingerprints against other known fingerprints to verify that the two are the same using a smart card, barcode or other secure credential
- 1:1 remote verification – To match one fingerprint against another fingerprint stored at a remote location to verify identity and establish that the record is maintained in the database

As a trusted leader in mobile computing technology, Motorola is the right choice for mobile identification solutions that meet your mission critical needs. Motorola handheld computers provide the power required to run many types of identity management applications, such as:

Mobile Identification in Border Patrol

Mobile Identification solutions can be deployed at air, land, or sea border control points to verify the identity of individuals against ePassports, ID cards, visas or other secure documents. Mobile Identification enables agents to capture fingerprints, facial images, and demographics and compare this to information stored on a secure credential or to transmit wirelessly to a remote matching system for 1:N or 1:1 remote identification. With a Motorola solution, travel and visa records, identity cards, and criminal justice information can be queried to determine an individual's identity and credentials.



Mobile Identification in Event Security

During gatherings such as music festivals, political rallies or sporting events, security personnel and officers are often tasked with managing unruly attendees or safeguarding secure areas. Motorola's Mobile Identification enables the capture, transmission and search of biometric information against remote databases. Additionally, with smart card enabled ID badges, Motorola's solution is capable of performing a 1:1 comparison of the fingerprint stored on an ID badge with that captured through the fingerprint sensor. Event security can verify the authenticity of an ID badge and confirm an individual's access privileges during a particular event. With the devices' wireless capabilities, the information can be vetted, in real time, against remote databases to ensure that access privileges have not changed.

Mobile Identification in Disaster Management

Personnel can be provided with badges containing descriptors, biometric information, and permission level for secure areas. Once cards are issued, personnel can quickly verify the identity and permission level of rescue workers using fingerprint verification against the smart card by utilizing Motorola's Mobile Biometric Identification solution. In addition, Motorola's solution can be used in hospitals and morgues to check the identity of individuals. Furthermore, Mobile Identification can be used at evacuation shelters to check for criminals and/or sex offenders who may be amongst the crowd and to separate them from children and other individuals in the shelter.

Mobile Identification in Health Care

Mobile Identification can be used by hospital staff to efficiently identify patients and connect them to their issued prescription and dosage levels, symptoms, or other necessary information to ensure they receive proper medical treatment and care. This is an especially significant tool for patients who have lost consciousness or are otherwise unable to communicate this information to their doctor or nurse. Capturing a fingerprint, barcode, or RFID issued tag and submitting to a hospital's central system allows such details to be retrieved immediately and viewed on the mobile handheld's screen.

Mobile Identification in Social Services

Using Mobile Identification, social workers and case managers can validate that the correct services are delivered to the correct people. Mobile Identification arms field agents with the ability to instantly identify individuals, queue up real-time information about treatment plans, and see what benefits have been provided to date, all while maintaining secure access to sensitive information. After positive identification is complete, the agent can easily transition to updating case notes and filling out the required electronic forms using the same all-in-one device. This capability also assists in detecting fraudulent duplicate aid.

Mobile Identification in Enterprise Security Operations

Enterprise security personnel have the responsibility of protecting their company's most sensitive information and securing areas such as R&D labs, warehouses, central IT infrastructure (IDF) rooms, or hazardous materials storage areas. Mobile Identification enables security officials to verify the identity and access privileges of employees who are issued smart cards, 2D barcode ID badges or RFID-enabled cards/badges. Security officers on patrol, who encounter suspicious persons, can use the handheld device to scan the smart card or RFID badge, capture a fingerprint and perform a verification of that person against the ID badge. Access privileges can be viewed to confirm the individual's granted permissions to enter or be within a secure area. If connected wirelessly to remote servers, security personnel can, in real time, pull information about employment or privilege status.

The Solution Details

At the core of the Mobile Identification solution is Motorola's industry leading hardware. Mobile Identification allows government and company personnel to easily capture biometric and biographic information with minimal training. Biographic information can be captured through the 1D or 2D barcode scanner, contact card reader, or contactless reader.



The MC70 and MC75 rugged handheld mobile devices put the power of a cell phone, PDA, computer, scanner and imager in the hands of your mobile personnel with the first rugged enterprise digital assistant. Designed to withstand all-day everyday use in nearly any environment, this rugged compact device delivers true anywhere anytime wireless voice and data communications, including superior voice functionality, data capture and the power to run nearly any application.

Key features of the MC70

- Windows Mobile® Premium or Phone Edition
- GSM/EDGE, CDMA EVDO Rev.0, GPS, WLAN 802.11 a|b|g, Bluetooth® v1.2 communication options
- Integrated data capture options – 1D or 2D scanning
- Color 3.5" QVGA touchscreen

Key Features of the MC75

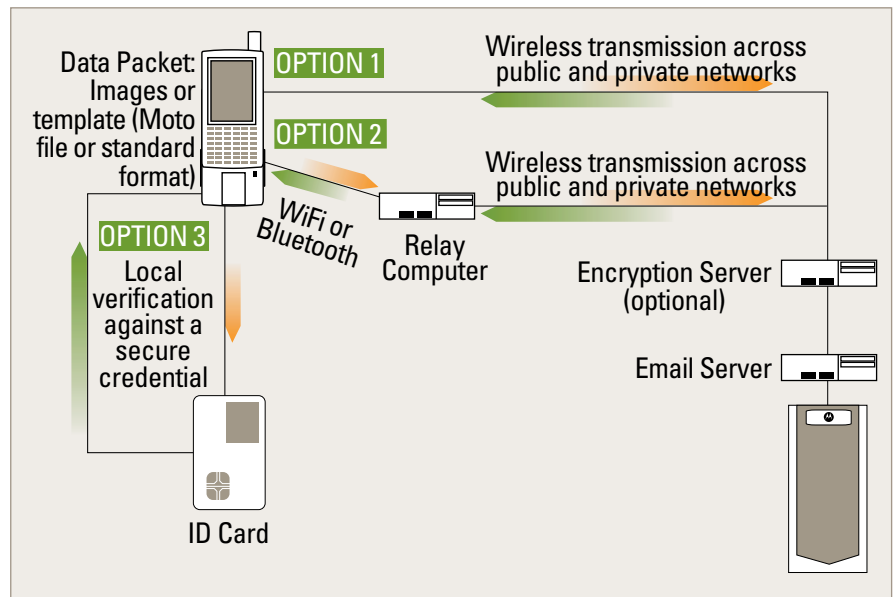
- Windows Mobile®
- 3G HSDPA or CDMA-EVDO Rev A, GPS, WLAN 802.11 a|b|g, Bluetooth® v2.0 communication options
- 2MP color auto focus camera
- Integrated data capture options – 1D or 2D scanning
- Color 3.5" full VGA touchscreen

The Biometric Attachment provides rugged, IP54 rated, functionality equivalent to all environment specs of the host handheld computer. GSA certified fingerprint capture supplies highest quality images within a variety of lighting conditions. ISO 7816 compliant contact card reader provides read/write capabilities with all ISO 14443 compliant cards. LED light indicators provide users with a clear queue to card-reading status. Contactless card readers provide data access on RFID enabled identification cards or badges.

The foundation of the Mobile Identification solution is our top selling MC70 and MC75 handheld computers.



Mobile Identification Workflows



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