

# SAF-ID & MC75

## Mobile Biometric Identification for Positive identification / Verification

Inmate Booking, Transport, and Release  
Medical Examiner's Office  
Sex Offender Registration  
Crime Scene Victim  
Traffic Stops  
Border Patrol  
Event Security  
Court Rooms  
Serving Warrants  
Gang Enrollment

## MC75 Features

**Rugged & Lightweight:** Industry leading drop test and IP54 sealing and integrated antennas.

**3G:** 3G high performance wireless broadband and voice data for quick responses when you need it the most.

**2 megapixel camera:** The auto-focus, flash enabled camera can be used to easily capture images of an individual. As an option, facial images captured can be used for facial recognition.

DATAWORKS PLUS HAS PARTNERED WITH MOTOROLA® TO BRING YOU THE LATEST TECHNOLOGY AVAILABLE IN MOBILE BIOMETRIC IDENTIFICATION WITH SAF-ID & THE MC75.

Mobile biometric identification has never been faster or easier. DataWorks Plus' SAF-ID incorporates the Motorola® MC75 to provide officers on patrol quick identification or identity verification. The MC75 captures fingerprints and immediately submits them to a state's AFIS or other fingerprint database. Once the identity is confirmed, any available images, criminal history, wants and warrants, and demographic data can be viewed on the device.

Having the ability to immediately know who you are dealing with is invaluable to an officer's safety as well as the public's safety. An officer who has immediate access to an individual's criminal history and wants and warrants is able to make better informed, quick decisions. SAF-ID's quick response times will increase productivity by decreasing the amount of time an officer has to spend verifying a person's identity.

## Identification At Your Fingertips

SAF-ID is scalable to meet system performance requirements for any size agency. From a few hundred matches per second, to hundreds of thousands of matches per second, SAF-ID can be configured to meet the specific needs and budget for your agency.

### Fingerprint & Face Search Process - Remote Identification

SAF-ID uses advanced fingerprint matching and facial recognition techniques to provide mobile positive identification of an individual. The MC-75 with SAF-ID will auto-capture fingerprints and automatically submit to a local or remote central database to conduct a one-to-many (1:N) search. This process compares a live fingerprint scan against a fingerprint that is stored in the database to identify the individual. In addition, facial images can be taken with the integrated 2 MP auto-focus color camera. The image can be used to conduct a facial recognition search against a local or remote database. If a match is made to the fingerprint or facial image with an existing record in the database, then SAF-ID will display any data, images, or criminal history associated with the individual.

### Remote Enrollment and Seamless Integration:

The MC-75 with SAF-ID can be used to remotely enroll individuals into a database. Data can be entered for a record using the QWERTY keyboard, scanned from a driver's license using the integrated 1D/2D barcode scanner, or captured using the integrated magstripe reader. Location information from the built-in Global Position System (GPS), fingerprints, facial images, demographic and other data, and images of scars, marks, and tattoos (SMT) can be included in the record being enrolled from the MC-75. The device is capable of remotely communicating to a central database or system via wired, wireless (802.11), and cellular networks or Bluetooth communication. If remote communication is not available, SAF-ID can also provide store and forward remote enrollment.

SAF-ID can be configured to integrate seamlessly to your existing systems for identification and verification or remote enrollment. DataWorks Plus can provide integration with your existing AFIS, photo imaging systems, fingerprint systems, booking systems, and records management systems.



**DataWorks Plus**



# MC75 Specifications

## MC75 Features

**Touchscreen:** Color 3.5" full VGA (640 x 480) touchscreen viewable in any lighting conditions

**Memory:** 128/256 MB of RAM / ROM on board memory

**Communication Options:** 3G HSDPA or DCMA-EVDO Rev A, GPS, WLAN 802.11 a/b/g, Bluetooth v2.0

**Fingerprint Capture:** GSA Certified fingerprint capture using the biometric attachment

**More than just SAF-ID:** The MC75 can also be used with other types of attachments to be used in a variety of applications such as:

- inmate tracking
- bar code scanning
- head counts
- facial recognition
- e-citation

**TWIC Compliant**

### Physical Characteristics

|                                     |  |
|-------------------------------------|--|
| Dimensions:                         | 6 in. L x 3.3 in. W x 1.7 in. D  |
| Weight (including standard battery) | Standard 1.5X battery: 14.9 oz./422 g<br>Extended Capacity 2.5X battery: 15.7 oz./446 g                    |
| Display:                            | Transflective color 3.5" full VGA with backlight   |
| Touch Panel:                        | Glass analog resistive touch   |
| Backlight:                          | LED backlight  |
| Main Battery:                       | Rechargeable Lithium Ion 3.7V, 3600 mAh Smart Battery  |
| Ext. Cap. Battery:                  | Optional 3.7V, 4800 mAh Smart Battery  |
| Backup Battery:                     | Ni-MH battery (rechargeable) 15mAh 2.4V (not user-accessible)  |
| Expansion Slot:                     | micro SD slot (maximum 2 GB)   |
| Network:                            | Ethernet (via cradle); full-speed USB, host or client  |
| Connections:                        |  |
| Notification:                       | Vibrator and LED   |
| Keypad Options:                     | 26-key Numeric; 44-key QWERTY, 44-key AZERTY, 44-key QWERTZ  |
| Audio:                              | Speaker, receiver, microphone, headset jack, software support for full duplex record and playback (stereo) |

### Performance Characteristics

|            |                                  |
|------------|----------------------------------|
| CPU:       | XScale™ PXA270 624 MHz processor |
| OS:        | Microsoft® Windows® Mobile 6.0   |
| Memory:    | 128 MB RAM; 256 MB Flash         |
| Interface: | RS-232, USB 1.1                  |

### User Environment

|                  |   |
|------------------|---|
| Operating Temp.: | 14° F to 122° F / -1° C to 50° C  |
| Storage Temp.:   | -40° F to 140° F / -40° C to 60° C (w/o battery)  |
| Humidity:        | 95% non-condensing  |
| Drop Spec.:      | 5 ft. drop to concrete, 2 drops per 6 sides at ambient temperature 73° F / 23° C;<br>4 ft. drop to concrete, 6 drops per 6 sides over operating temperature range |
| Tumble Spec.:    | 1,000 1.6 ft./1.5 tumbles (2,000 drops)   |
| Sealing:         | IP54  |
| IrDA:            | Integrated  |
| Clock:           | Integrated real time clock  |
| Light Immunity:  | Readability: Incandescent - 450 ft. candles;<br>Sunlight - 8000 ft. candles; Fluorescent: 450 ft. candles   |
| ESD:             | +/- 15kV air discharge, +/- 8kV direct discharge  |

### Battery Performance (with Battery reserve option set to highest - 72 hours)

|                |   |
|----------------|---|
| Standby time:  | 150 hours   |
| Talk time:     | 5 hours   |
| User profiles: | Outdoor WAN+GPS, 15min/hour voice communication, 10kB transmission every 10 min., and GPS on all time, 8 hours of operation, and 75 hours standby time. |

### Wireless WAN Data and Voice Communications

|             |                                 |
|-------------|---------------------------------|
| WWAN Radio: | GSM: 3G HSDPA; CDMA: EVDO Rev A |
| GPS:        | Integrated Assisted-GPS (A-GPS) |

### Wireless LAN Data and Voice Communications

|                       |  |
|-----------------------|--|
| WLAN Radio:           | Tri-mode IEEE® 802.11 a/b/g  |
| Data Rates Supported: | 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps   |
| Operating Channels:   | Chan 8-165 (5040 - 5825 MHz)<br>Chan 1-3 (2412-2472 MHz)<br>Chan 14 (2484 MHz) Japan only<br>Actual operating channels/frequencies depend on regulatory rules and certification agency |
| Security:             | WPA2, WEP (40 or 128 bit), TKOP, TLS, TTLS (MS-CHAP), TTLS (MS-CHAP v2), TTLS (CHAP), TTLS-MD5, TTLS-PAP, PEAP-TLS, PEAP (MS-CHAP v2), AES, LEAP                                       |
| Spreading Technique:  | DSSS and OFDM  |
| Antenna:              | Internal for LAN, External for WAN   |
| Voice Communication:  | Integrated VOIP ready (P2P, PBX, PTT), WiFi™-certified, IEEE 802.11 a/b/g direct sequence wireless LAN   |

### Wireless PAN Data and Voice Communications

|            |  |
|------------|--|
| Bluetooth: | Class II, v 2.0; on-board chip antenna |
|------------|--|

### Data Capture Specifications

|          |   |
|----------|---|
| Options: | Four configurations available: 1D laser scanner; 2D imager, 1D laser scanner and camera; 2D imager and camera |
|----------|---|

### Color Camera

|               |                         |
|---------------|-------------------------|
| Resolution:   | 2 megapixel             |
| Illumination: | User controllable flash |
| Lens:         | Auto focus              |

### Regulatory

|  |   |
|--|---|
| Electrical Safety:                       | Certified to UL / cUL 60950-1, IEC / EN60950-1  |
| Environmental:                           | RoHS-Compliant  |
| WLAN and Bluetooth:                      | USA: FCC Part 15.247, 15.407  |
| Quad Band GSM/Edge, plus Tri-band HSDPA: | Global: 3GPP TS 51.010, 3GPP TS 34,121, 3GPP TS, 123 GCF approved module<br>USA: FCC Part 22, Part 24                   |
| CDMA-EVDO Rev. A:                        | Verizon/Sprint/AllTel/Bell Mobility/Telus (Contact your DataWorks Plus sales representative for the latest information) |
| RF Exposure:                             | USA: FCC Part 2, FCC OET Bulletin 65 Supplement C   |
| EMI/RFI:                                 | North America: FCC Part 15, Class B   |
| Laser Safety:                            | IEC Class2/FDA Class II in accordance with IEC60825-1/EN60825-1   |

For countries outside the USA, contact your DataWorks Plus sales representative

**SAF-ID**  
[www.dataworksplus.com](http://www.dataworksplus.com)



DataWorks Plus is dedicated to providing the Law Enforcement & Criminal Justice Market with affordable, top of the line products and technology to improve the productivity, efficiency, and safety of officers and other staff. We offer solutions for mobile identification, inmate tracking, booking, crime scene data and image management, live scans, fingerprint archive, facial recognition, information management, and fusion centers. To learn more visit our web site, or call our Sales Team at 1-866-632-2780.

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