



Motorola Mobile Identification – MC75 with Biometric Attachment

Only Motorola MC75 with Biometric Attachment provides you with the ability to:

Implement an all-in-one solution ergonomically optimized to provide an intuitive user interface offering unprecedented speed and accuracy, with the highest return on investment (ROI).

Accurately identify individuals with true one-handed operation in the harshest of conditions.

Backwards compatible with MC70 accessories providing protection for existing investments.

This advanced biometric attachment with optional contact and contactless smart card readers is well-suited for identity management applications. A FIPS 201 certified fingerprint sensor supplies the highest quality images within a variety of lighting conditions. Additionally, the MC75's optional auto focus color camera transforms this solution into a multimodal mobile computer delivering fingerprint and facial image capture. With the available ISO compliant contact and contactless smart card readers, this attachment is positioned for emerging security applications such as TWIC, PIV, CAC, FRAC, ePassports, eVisas and other biometric-enabled secure credentials.

The biometric attachment extends the ergonomic functionality of its MC75 host. Additionally, the biometric attachment maintains the overall MC75 environmental specifications, including sealing (IP54), drop, temperature and shock.

The Motorola MC75 Worldwide Enterprise Digital Assistant re-defines the standard for mobile computers with biometric capture, a 3G world cell phone, integrated GPS, 1D and 2D bar code scanning, a high resolution auto focus color camera, high-bright full VGA touch screen, 3G wireless, WiFi, and Bluetooth® connectivity — all in a single device.

The 3G based MC75 allows law enforcement, first responders, government and other enterprise security agencies to standardize on one device for global deployments, reducing the complexity, support requirements and the cost of mobility solutions. By providing a single platform for worldwide voice and data services, the MC75 eliminates the need for multiple operating systems, multiple service providers and multiple devices. In addition, the multi-function MC75 eliminates the need to purchase and manage multiple devices per person. The reduction in capital and operational costs combines with increased workforce productivity to deliver maximum value on your investment.

Applications:

- Border crossings
- Remote field operations
- Refugee management
- US VISIT Entry/Exit
- Sporting events
- Commercial security applications
- TWIC
- PIV/CAC
- Local law enforcement
- Traffic stops
- Jail Movement
- Court Identification
- Voting
- Social Services
- Healthcare
- Case Management

SPECIFICATION SHEET

MOTOROLA MOBILE IDENTIFICATION -
MC75 with Biometric Attachment

MC75 FEATURES

3G WWAN: HSDPA and CDMA-EVDO Rev A broadband connectivity over the cellular network

High performance wireless broadband voice and data anywhere in the world

Color 3.5" full VGA (640 x 480) touch screen with backlight

Supports multi-modal biometric authentication

2 megapixel auto-focus color camera with user controllable flash designed to meet the needs of enterprise class applications

WPAN: Bluetooth® v2.0 wireless connectivity to modems, printers, headsets and more; v2.0 provides additional throughput (up to 2.1 Mbps), improved security and additional profiles for expanded connectivity to more device types

Multiple Battery Options to supply ample power for full shifts in nearly any environment

The latest processors from Intel® designed for mobility and providing desktop-like performance with lower power requirements

Industry-leading double impact testing (drop and tumble), IP 54 sealing, delivering in field reliability.

128MB RAM/256MB Flash provides memory space required to enable robust performance for database applications

Fast and easy to install

Fingerprint Sensor Only Biometric Attachment:

- Fingerprint Sensor: FIPS 201 certified, 508 DPI
- 0.7 in. x 0.5 in.
- Environmental and drop specifications are the same as the MC75

Fingerprint Sensor with Contact and Contactless Card Readers Biometric Attachment:

- Fingerprint Sensor: FIPS 201 certified, 508 DPI
- 0.7 in. x 0.5 in.
- Contact Card Reader ISO 7816
- ISO 14443 compliant
- MIFARE/DESfire compliant
- Contactless Reader ISO 14443 compliant
- Environmental and drop specifications are the same as the MC75
- Led light to indicate card reader status

MC75 Hand Held:

- Dimensions:
 - 6 in. L x 3.1 in. W x 1.7 in D (15.3 cm L x 7.6 cm W x 4.4 cm D)
- Weight (including standard battery):
 - Standard 1.5X battery: 14.9 oz./422 g
 - Extended Capacity 2.5X battery: 15.7 oz./446 g
- Display: Transflective color 3.5" full VGA with backlight, 640 x 480
- Touch Panel: Glass analog resistive touch
- Backlight: LED backlight
- Main Battery: Rechargeable Lithium Ion 3.7V, 1900 mAh Smart Battery
- Ext. Cap. Battery: Optional 3.7V, 4800 mAh Smart Battery
- Backup Battery: Ni-MH battery (rechargeable) 20mAh 1.2V, 2 cells (not user-accessible)
- Expansion Slot:
 - microSD slot (maximum 2 GB)
- Network Connections: Ethernet (via cradle); full-speed USB, host or client
- Notification: Vibrator and LED
- Keypad Options: 26 Numeric; 44 QWERTY, AZERTY, AND QWERTZ keyboards
- Global Position System (integrated):
 - High Performance
 - Internal Antenna & SIRF111star
 - Chipset
 - Typical Time to First Fix <30 seconds (TTFF)
- Audio: Speaker, receiver, microphone, headset jack, support for full duplex record and playback

Color Camera

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

Performance Characteristics:

- CPU: XScale™ 624 Mhz processor
- Operating System: Microsoft Windows Mobile®
- Memory: 128 RAM, 256 flash
- Interface: RS-232, USB 1.1

User Environment:

- Operating Temp.: 14°F to 122° F/-10°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: 4 ft. drop to concrete, 6 drops per 6 sides over operating temperature range; 5 ft. drop to concrete, 2 drops per 6 sides at ambient temperature 73° F/23° C
- Tumble Spec: 1,000 1.6 ft./5 m tumbles (2,000 drops)
- Sealing: IP54
- Electrostatic Discharge (ESD): ±15kV air discharge, ±8kV direct discharge

Wireless WAN Data and Voice Communications:

- WWAN Radio: GSM: 3G HSDPA
CDMA: EVDO Rev A

Wireless LAN Data and Voice Communications:

- WLAN Radio:
 - Tri-mode IEEE 802.11a/b/g
 - NOTE: 802.11a not available in Thailand
- Data Rates Supported: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps
- Voice Communication: Integrated Voice-over-IP ready (P2P, PBX, PTT), Wi-Fi™-certified, IEEE 802.11a/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:

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

Peripherals and Accessories:

- Communication and Charging Cables: Serial and USB v1.1 charging cables, printer cables, vehicle charging cable, power/charging cable

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